LONGWAVE DXERS...Winter's approaching, and low frequency DXers are noticing drastically improving conditions on a daily basis now. If you are interested in DXing this faccinating part of the radio spectrum, you'll need a copy of THE COMPLETE BEACON GUIDE UPDATER,

elsewhere. Order from: ANARC DIMECTORY, 1500 Bunburry Drive, N.

it the interesting tropo activity carried over from September into October in wide areas of North America, and Murricane Josephine was a



Alan Hyams P.C. Box 130 City Island Sta. Bronx, NY 10464

Robert Goodman sent in a long letter covering a number of DK issues. First of all, he tells how the DX and bearing program presented by Larry Fuss in the September and October Vuos can work in the Applesoft system, with the following modifications:

" Change line 145 from RAD to HOME (might as well start with a clear screen. I've no idea why the Atari wants radians instead of degrees). Rename variable GR in lines 250 and 410 ("GR" kicks Apple into graphics mode). Change line 570 as noted in October "Out of Sync".

The line 572 addition appears superfluous here."

Robert also continues the debate over club logging rules:

"With regard to what's being fed back to NTFDA from September, first, there's a matter of fact. In the January 1978 'VUD it was said that total stations received must be from sites within an equilateral triangle 50 miles on a side. That's a lot smaller area than a circle with a radius of 50 miles. (In that same VUD was reprinted Bruce Elving's standards for logging, which allowed

a 30 mile radius circle of wTHs for one log.

But there's a more fundamental question regarding ATFDA logging standards: Is DM more of a sport, a competitive game or a scientific pursuit? Or something else? are Chers going to agree on one or another of those descriptions? Will has, albeit sporadically, columns of TV and FM DKing records, and they function practically identically; but one is called "Scoreboard", the other, "Statistics." Those titles have very different connotations. Games have scoreboards; both games and sciences have statistics. Bruce has very precise, nit-picky criteria for logging PM DX, which he'd also like other DXers to follow; they're like the rules of a game. The current WTFDA logging rules just ask that a DXer be "reasonably certain" a station was received. It's a scientific question of fact. That was received? You can't be absolutely certain a station was in, because the improbable (say, a local heaxer transmitting) isn't impossible. "Reasonable" is a subjective judgement requiring that all evidence be taken into account. ersonally, I'd liken Daing to a sport like fishing, which, while neither a game nor a science, has scientific and competitive elements for some. I also think we're not going to get an agreement on this question from all Ohers, members or otherwise. Therefore, Whis reporting columns should have the least strict Ding standards compatible with any possible view of the hobby. That standard is what we have now, "reasonable certainty."

his to the standards for totals, I'm also satisfied (e.g. a call change isn't a new station). The 50 mile triangle is arbitrary, but what wouln't be? (How about separate logs for liv-

ing room and bed room?)

Finally, I'm disturbed by what I read in "ANANC Undate" about ANARC having or considering rules on the internal Workings we consider carefully what advantages we get by being an ANARC club. of member clubs. Before AFFDA agrees to any such rules, I suggest

a lot of points brought up in that letter. On the issue of the 50 mile triangle, I tend to measure things a lot closer than that. I see it as a valid guideline when DXing in a moving car, but I think that even in such a case, one's location can be measured a bit more precisely.

continued on next page ...

MATLBOX continued

Martin Theil would like a clarification made as to his club standing. He is a former as well as a present club member. He rejoined the WTFDA in January.

Saul Chernos sent me Robert Grant's review of the Sony SRF-Al00: "The Sony SRF-Aloo is a portable stereo receiver with built-in speakers that can be used with an optional stereo headset. In recent weeks I have seen bone negative words on the FM band performance of this radio. First of all, the receiver is susceptible to overload in the "distant" mode. However, the overload present does not appear to notably affect normal local listening (remember, this is in Detroit, with a strong signal every 300 kHz). Selectivity is fair to good, as I have no trouble listening to CBEF1 - 103.1, which few receivers will get here without an outdoor antenna. There is no stereo/mono switch, but the receiver is not very "eager" to go into stereo mode, waiting instead until there is a signal strong enough to get a noiseless stereo signal. From an FM listening standpoint, the SRF-Al00 is beautiful; the audio noise floor is very low, response is very high and separation is very good. The primary limiting factor for hi-fi is the very small speakers- but they sound much better than those in other rádios of the "portable-speaker-stereo" class. Sensitivity is not very high, but you can't stuff an NAD 4150 tuner into a stereo smaller than a cigarette carton, either."

Finally, new club member Yefim Mosenkis wrote in, asking about the basics of TV/FM DKing. I sent him a pamphlet (supplied to me by Dave Nieman) with common questions and answers about TV/FM DX. I'm now offering a copy of this pamphlet to anyone sending me an SASE. Topics covered include antennas, receivers and propagation modes. Many newer WTFDAers might find some valuable information here.

Oh, one more thing. RE: October VUD, bottom page 18. Thanks, Saul but what do you mean by "disturbing the flies"?

Till next time, 73 and good DX,













Worldwide TV-FM DX Association



ELEVISIOI

Bridgeton, NJ, 08302 without the need to gobble up the television broadcast frequencies. But the public safety organizations are still after the television bands. Companies such as NBC, the Association of

Bill Fahber, editor

336 Atlantic Street

ISCO: LICENSE ASSIGNMENT OF KBHK-TV On May 26, 1983, the FCC's Mass Media Bureau authorized the transfer of KEHK-TV's license from Field Communications to United Television Inc., despite objections from the California Association of the Physically Handicapped (CAPH), which claimed that Field had meet public safety needs with existing not carried out its obligation to caption the spectrum. station's programming for the deaf and hearing-impaired, nor taken affirmative action to hire qualified handicapped persons. The Mass Media Bureau pointed out that the station had aired several closed and open captioned specials, network programs, and religious programs, and that TV licensees have no specific obligation to provided open or closed captioning of supplemental visual material for deaf or hearing-impaired viewers in their service area.

CAPH asked the FCC to reconsider the Mass Media Bureau's decision. contending that. since broadcasters are government contractors they are, pursuant to the Rehabilitation Act. required to hire qualified handicapped persons, but the Bureau replied that the Act did 19 would not cause interference to KSCI. not apply to commercial television stations. since they are not government contractors. The FCC upheld the Mass Media Bureau's decision.

MARSHALL, TEXAS: KMLT-TV, CHANNEL 35. In December, 1981, the then Broadcast Bureau granted Holt-Robinson of Texas's proposal to locate its main studio in Marshall and its transmitter seven miles northwest of the city. Holt-Rebinson later got approval to move its transmitter 26 miles west of Marshall, on the other side of Longview, which has a greater population than Marshall, and closer to the population center of the area. Then it got permission to move its proposed studio from Marshall to the transmitter site past Longview. You may begin to wonder who the station really intends to serve.

So did East Texas Television Network, Inc. who is building KMLG-TV in Longview, so it asked the Mass Media Bureau to reconsider its 1983. approval, arguing that Holt-Robinson had not demonstrated the unavailability of suitable studio locations within Marshall, nor had it shown that the public would benefit from moving its main studio from the community of license. The Mass Media Bureau, in turn, reversed its earlier decision, and based its reversal on a long-standing FCC policy, that it is contrary to the public interest to authorize the relocation of the main studio of a community's only broadcast service closer to a city of greater size.

IOS ANGELES COUNTY SHERIFF STILL AT IT The broadcasting industry still insists that. with present technology, existing radio second-language services as well as nonbroadfrequencies allocated to public safety land mobile use could be used more efficiently

Maximum Service Service Telecasters, the National Association of Broadcasters and the Corporation for Public Television have already submitted plans to the FCC which would

But the FCC sees some merit in the Sheriff's requests. The Sheriff's needs for portable radios, alone with the factors present in the Los Angeles Lasin of expansive geography and diverse topograph, constituted sufficient basis in the FCC's eyes to initiate a proceeding that would propose the use of channel 19. There is some merit to the use of this channel: Because of the proximity of KSCI, channel 18 in San Bernardino, channel 19 could not be used for television in the Los Angeles area: also, channel 19 is already reserved for land mobile use in Indio, California, which is about 120 miles east of Los Angeles. It will be the Sheriff's Department's responsibility to temonstrate that use of channel

Another advantage of channel 19: The Los Angeles Police Department operates on channel 20 frequencies, and radios could tune across both frequencies, allowing both departments to communicate by radio, whereas presently they can only communicate by telephone.

OKLAHOMA TELEVISION STATIONS

Back in June, 1981, the FCC granted construction permits to Red Carpet Country Television Broadcasting Corporation (for MEQC, channel 20 in mid, OK) andGreat Plains Country Television Broadcasting Corporation (for KQOL-TV, channel 45 in Lawton). Those construction permits were to expire in December. 1982, but both requested an extension. In their requests, they confessed that construction had not yet begun on the stations, but expressed the hope of acquiring used equipment from Townsend Associates. On that hope. the FCC granted the extensions to June 29.

In May, 1983, they again requested extensions, but revealed that they had rejected the Townsend offer and ordered equipment from ther sources. On August 23 (1984?) the FCC ancelled their construction permits and deeted their call letters after finding that the stations were no nearer to constructing the stations thanthey were when the first extensions were granted.

CABLE CARRIAGE OF STEREO TELEVISION AND AURAL BASEBAND SERVICES

On March 29. 1984, the FCC adopted the new ruling which expanded the uses of the television aural baseband to include stereo and cast purposes. In its action, the FCC did no take any stand on the issue of cable carriage requirements of the program-related aural subcarrier of broadcast stations. In the Second Further Notice of Proposed Rule Making, adopted July 26, 1984, the FCC requested additional comments and information on the mandatory carriage issue, and on a proposal suggested by the National Association of Broadcasters and the Association of Maximum Service Telecasters with respect to

The application of multiplexing the television signal has made it feasible to transmit additional information on the television signal without affecting the quality of the main program service or interfering with other stations. Teletext (which uses the vertical blanking interval) and subcarriers on the aural baseband. The FCC has not extended must-carry protection of these services where it hasdetermined that they are not essential to the regulat program service putting its license in jeapordy. The purpose of this Second Further Notice is to explore the need for cable systems to carry program-related TV aural baseband sighals, and to choose a plan for regulation that is consistent with the overall public interest. Lacking sufficient information. the FCC is at this time taking a neutral position on the issue, and inviting comments. It is also inviting comments on the proposal mentioned above by the AMST and NAB, which transmissions where they would degrade the main program's video or audio, or the video and audio of adjacent channels. Cable sysand what the estimated cost of eliminating that interference would be.

MODIFICATION OF FM AND TV LICENSES

The FCC adopted a new ruling with respect to FM and television stations seeking to amend their respective tables of channel assignments while seeking to modify its The purpose of this is to encourage licensees or permittees to upgrade their facilities and to reduce burdens on the FCC's resources.

In the FM radio context this would mean allowing an existing station to request a higher class channel to permit additional coverage. In the television context this could mean changing to a lower UHF channel. or, if possible, changing to a VHF channel.

Until now, license modifications that specify a channel change have been routinely

ested in the new channel.

to prefer the lower UHF channels over the upper channels. It's not the difference of ERP required for the same signal coverage area that is the issue. Rather, in a typical community with channels 14, 20, 26 and the public to ignore any television station that starts on channel 69, whereas a station change. on channel 36 would be more accepted. But

the FCC doesn't consider a channel change for that reason an upgrading of facilities. But there are cases where an ideal transmitter site can't be used because of short-spacing. whereas a change in an assigned channel could eliminate that situation, making the ideal transmitter location accessible.

Another problem has existed with respect to channel changes. A station could have the channel assignment changed to another channel that would be short-spaced to the present channel. That means the present channel would have to be eliminated when the new channel is assigned. If a station operating on that channel proposed a change in channel assignment, thus creating a new channel open for competing applications, its existence could be at stake. But under these new rules, the station could have its channel assignment and channel of operation changed without fear of

REDEFINITION OF MINOR CHANGES IN FACILITIES Effective July 26, 1984, the FCC is defining any change in power. antenna location or height above average terrain of an FM or TV station, as a minor change. FM translators may also change primary stations at will. Since television translators and low power television stations are already free to change at will their source of programming by merely notifying the FCC. that rule would not apply. contains several points, but basically would Up to now, the FCC defined as a "major change" allow cable systems to delete enhanced audio any change in frequency, station location, or any change in power, antenna location or height, that would result in a 50% change in the service area of a television or FM statems would have to submit a certification to tion. An application for a major change would the FCC that interference is being produced. result in establishing cut-off procedures for mutually exclusive applications, a 30-day holding period following FCC public notice of acceptance and publication of local notice by the applicant, and so on.

There was some disagreement with the FCC when it originally proposed its change in definition. Basically, the opposition felt license to specify operation on that channel that interested parties would lose important procedural rights such as the 30-day public notice period; the FCC would thus not be well informed of all relevant facts which would be raised to objecting parties; interested parties would not be provided with an adequate opportunity to protect their interests properly. For example, a minor change under the new definition could result in a loss of television service to particular areas without giving those affected a chance to object.

But elimination of the public notice period doesn't mean that there is no opportunity for granted if there were no other parties inter the public to object. Section 405 of the Communications Act provides for the filing of There is a tendency for television stations petitions of reconsideration which the FCC must act on within 90 days.

The FCC held to its original proposal that FM translators shouldn't need even a minor change proposal to change its primary station. Under the new rules, a FM translator must 32 on the air. there would be a tendency for merely get approval from the station it wishes to rebroadcast, and then notify the FCC of the PROPOSED TECHNICAL STANDARDS FOR MULTIPOINT DISTRIBUTION SERVICE

The FCC is proposing a few rules to amend its existing rules for Multipoint Distribution Service (MDS). Under consideration is the use of equivalent isotropically radiated power (EIRP) to replace its present use of transmitter power, requiring higher frequency stability, and lower out-of-band emissions. Also proposed is the use of MDS boosters.

MDS stations are normally limited to 10 watts transmitter power output, but in some cases the power is raised to 100 watts. But the ability of a station to serve a particular receiver site is more realistically determined. not by transmitter output power. but by effective radiated power (ERP) or by equivalent isotropically radiated power (EIRP). ERP is defined as the product of the antenna power input times the antenna power gain. EIRP deals with a field strength that is uniform in all directions. Since specifications for MDS antennas are normally given relative to an isotropic radiator, the FCC felt it convenient to use EIRP to replace the present TPO.

Present MDS rules require television transmissions to maintain a frequency tolerance of 0.001%, which for the high MDS frequencies comes to 21.5 kHz tolerance. Broad- 1984, pp. 32586-90. cast television stations are limited to 1 kHz tolerance. For both broadcast television and television transmissions via MDS, the aural carrier must be 4.5 MHz above the visual carrier, with a tolerance of 1 kHz. But now the FCC is considering the use of carrier offset frequencies to reduce the problem of co-channel interference, in the same way that it does with broadcast television. But for that system to work, there must be a 1 kHz tolerance in carrier frequency. Microband Corporation in Los Angeles is presently using a specific carrier frequency offset, and is able to maintain the required 1 kHz tolerance for it to work. The stations referred to. KFF79 and KFI79. have been able to keep a 20 Hz tolerance.

In order to facilitate adjacent channel operations the FCC is considering all emissions from MDS transmitters appearing 3 MHz above or below the band edges be attenuated to 60 dB below the peak visual output power of the transmitter. The FCC invited comments from equipment manufacturers on the cost and complexity to bring existing equipment into compliance with this proposed standard.

Another idea with respect to MDS was raised by Multipoint Communications Corporation: the idea of low power repeater stations for MDS. Some confusion resulted in the term, as some people thought that the idea of MDS translators was being suggested, but it was later clarified that boosters were meant, that would merely boost the signal on the same frequency.

The idea of MDS boosters appealed to the FCC. There are problems of obstructed receiver locations plaguing MDS licensees. Two such boosters have been authorized by the FCC in Chicago, with no evidence of

interference. But the FCC still wants more comments, and raised a few questions. What is the maximum ETRP that should be allowed for boosters? Should they be limited to no less than 5 miles from the boundary of the protected service area of the MDS station? What about boosters for MDS stations whose protected areas are defined by radio horizon rather than a standard 15 mile radius? How would boosters affect adjacent channel operations?

Over the next few months comments will be submitted to the FCC, and its next step will probably be to propose some specific rules, then await further comment before adopting those or similar rules.

REFERENCES FOR THE ABOVE RULES AND PROPOSED RULES:

The proposed rules for MDS appeared in the Federal Register, Thursday 6/21/84, pp.25486-25492. There is also another article on MMDS on that date, which I plan to discuss at a later date.

Proposed rules with regard to cable carriage of subcarrier frequencies in the aural baseband of television transmitters: Federal Register. Wednesday 8/15/1984. pp. 32619-23.

Definition of minor changes in FM and TV stations: Federal Register, Wednesday, 8/15/

License modifications of FM and television stations with respect to the table of channel assignments: Federal Register. Tuesday August 28. 1984, pp. 34007-11.

SPANISH-LANGUAGE TRANSLATORS AT ISSUE

It was reported last year that several Spanish-language interests, jealous over the monopoly that Spanish International Communications Corporation has over Spanish programs from Mexico, decided to dig up some dirt. And so several broadcast stations owned by Spanish International Communications Corp and Seven Hills Television Company are all under scrutiny by the FCC to see if they are under ownership or control of foreign interests.

Now six translators owned by those two companies are also added to the list. The broadcast stations were added to the list when their licenses were up for renewal. In the cases of these translators, it was a result of different factors. One thing I didn't realize myself until I read the reference from the Federal Register: a translator can change channels and get new call letters before any construction permit is assigned. (Perhaps that explains why I have no record of the Iron Mountain Translators. some of the Texas translators the Jim Pizzi noticed, and no record of any of the new translators mentioned in this report.) Many of the translators at issue were forced to change channel because of full service broadcast stations which recently went on the air. They are temporarily operating under Special Temporary Authorization (STA), with new call signs to reflect the channel on which they are now operating. They have not yet been granted a construction permit, and in fact might still have to compete with other

applicants for the channels they are present-Partnership. The proposed buyer must show ly using. The translators at issue are: itself to be fully qualified as a licensee W35AB, Philadelphia, PA, whose license is and obtain the station's license within 60 up for renewal, owned by SICC. days of the FCC's action, or the channel will K39AB, Bakersfield, CA, also owned by SICC, be subject to competing applications for new operating under Program Test Authorization station on that channel in contest with the application for WHCT-TV's license renewal. (PTA), who applied for a license to oper-APPLICATIONS FOR NEW TELEVISION STATIONS K30AK, Austin, Texas, owned by SICC, is CH ERP HAAT STATE/CITY/APPLICANT formerly K42AB, now operating on channel 55 5000 74 AL Gulf Shores: Brahman Commu'ns 30 under STA, has applied for a construc-44 5000 1269 KS Salina: Odessa Communications tion permit for channel 30. 45 1000 877 MN Minneapolis; MGT Broadcasting W47AD, Hartford, Connecticut, formerly 19 5000 147 NM Santa Fe; Santa Fe Broadcling W61AH until local channel 61 signed on. 46 800 1074 CA Paradise; Venture Technolog's owned by SICC, also operating on channel 61 689 553 KY Owensboro; Powers Communicins 47 under STA, has an application for a 19 5000 1973 NM Santa Fe; Clara Rose Apodaca construction permit for channel 47. 19 5000 1989 NM Santa Fe; Channel 19 Partner-K41AI, Denver Colorado, also owned by SICC ship. is the former experimental station KA2XEG, 49 5000 473 FL Tice: Florida Coast Communiwhich operated on channel 31 until local cations Company station went on the air. is now on channel 23 930 2504 MT Missoula; Garcia Communic'ns 41 under STA, and has an application for a 17 1000 1615 VI Charlotte Amalie: American construction permit for channel 41. Paradise Television K52AO, Tucson, Arizona, is the only one of 60 5000 1388 VA Roanoke; Brahman Communicins the six owned by Seven Hills, is the for-45 3200 700 MN Minneapolis; Jean Turner Goins mer K40AC, and is also operating under STA 15 2438 896 FL New Smyrna Beach; Daytona and has an application for a construction Beach Community College permit for channel 52. 35 5000 1721 FL Miami: Explorado de Miami Inc. Of these translators still applying for a 35 1359 535 FL Miami; Julio & Silvia Fernandez construction permit for the channel on which 62 5000 1009 FL Venice: Venice Broadc'g Corp. they are presently operating, K3OAK, W47AD 25 5000 1423 FL Toquesta; Toquesta Bc'g Corp. and K52AO are still mutually exclusive with a 49 1346 489 TX Conroe; Luis Y Nelida Castenada large number of applications. The applica-49 2545 621 TX Conroe: Brokinrod Bc g Co Incl tion for K41AI had already been dismissed by 55 1075 1538 TX Conroe: DLBS Inc. the FCC. but SICC has appealed that decision. 16 1358 3527 TX Lubbock; Robert Quentin Mar-COOKEVILLE, TENNESSEE: WKWR-TV, CHANNEL 28 tin/Cesar Amador The construction permit granted to Joseph 16 5000 422 TX Lubbock: TRG Broadc's Systems Patrick Williams to build a television sta-35 5000 343 FL Miami: Kilgore Broadcasting tion on channel 28 in Cookeville is up for 61 5000 400 KY Owensboro: Owensboro Televin extension of time, but the FCC received a 49 557 405 TX Conroe; Jack Clarke III petition from Joseph Albrecht, editor and 16 5000 1038 TX Lubbock; Lubbock TV 16 Bc'g publisher of the Cookeville Herald-Citizen 42 5000 3019 TX Odessa; Odessa Communications to revoke the construction permit, stating 54 1800 1194 TX Austin: DB Broadcasting Inc. that Williams is the owner of the Cookeville 10 316 314 MT Helena; Haynes Communications Dispatch, a local daily newspaper, thus un-65 2000 779 KY Ashland; John R. Powley (not qualified to hold a license for a television Altoona. PA, as reported last station in that same community, according to month: Altoona station is FCC rules. FCC granted that petition and WOPC, owned by Powlev) denied the renewal of the construction permit. 35 5000 1000 FL Miami; Manuel Arques & Sonny but Williams petitioned the FCC to reconsider Wright that decision, insisting that he does not 35 5000 1788 FL Miami; Cuban-American Ltd. own the Dispatch. He states that it is owned 35 5000 526 FL Miami; Miami 35 Corporation by his mother, Osia Williams, and that his 35 5000 594 FL Miami: A&I Television Ltd. only connection with the paper is that of the 35 2000 364 FL Miami; Telecentro, Inc. publisher. He also insists that circumstan-35 5000 730 FL Miami; Miami Broadcasting Inc ces beyond his control justify his request of 35 5000 1810 FL Miami; Canton 35 Ltd. an extension of the construction permit. The 35 4909 880 FL Miami: Spanish Broadc'g Corp. FCC is now reconsidering the case. 35 3574 579 FL Miami; Communi-Centre Bc'g Inc 35 5000 1473 FL Miami; Range Communications CITIZENS PARTY CANDIDATES WANT TO BE HEARD 35 5000 1000 FL Miami; Grace Broade'g Network Sonia Johnson and Richard Walton, Citizen 35 5000 1810 FL Miami; Minority Broade's Corp Party for President and Vice President, filed 35 5000 1015 FL Miami; First Latin Women a complaint with the FCC, insisting that the Broadcasting, Inc. networks include them in the Presidential and 62 5000 546 FL Venice; Santa Rosa Broadcing. Vice Presidential debates in October. The FCC 59 100 1011 CA Big Bear Lake; Josie Moore denied the complaint. 35 5000 1174 FL Miami; Miami Latin Broade'g HARTFORD, CONNECTICUT: WHCT. CHANNEL 18 35 5000 807 FL Miami; Lamar Communications The FCC is about to grant Faith Center's 35 4667 1200 FL Miami; Hernandez Costa & petition for a distress sale of the station Associates to Astroline Communications Company Limited

35 5000 618 FL Miami; Adib Eden Sr.

ΤEI	LEVISI	ON Ni	WS	- page 5	NOVEMBER, 1984
35	5000	1806	FI.	Miami: Coral Way Broadcasting	48 WIEC PR Ponce
				Venice; Venice Communications	66 WZTZ-TV MA Marlborough
				Limited Partnership	45 WUSV NY Schenectady
62	5000	766	FL	Venice; Channel 62 of Venice	36 KBBM-TV MO Jefferson City (to replace ex-
				Venice; Todd Broadcast'g Corp	pired Construction Permit)
62	4810	987	FL	Venice; Pauline Zlotolow &	32 KQEC CA San Francisco
اء	5000			Associates	2 KPRC-TV TX Houston (for MP to change
				Miami; Rene Antonio Lopez	antenna height)
				Moorehead; Garcia Communic'ns	EXTENSIONS GRANTED
45	4001	1001	MIN	Minneapolis; Metro Program Network Inc.	45 WMCF-TV AL Montgomery
12	5000	176	ΨY	Odessa; Alfred H. Roever III	40 WTWC-TV FL Tallahassee (why?)
				Odessa; Garcia Communications	20 WINT-TV TN Crossville
				Conroe; Sandacinto Telev.Corp	67 WOAC OH Canton (replace expired CP)
				Dothan; Wireless Broadcasting	40 WAXA SC Anderson (replace expired CP)
60	1000	685	ТX	San Antonio; Brahman Commun's	8 WIIM-TV MI Iron Mountain(replace expired CP)
COL	STRIC	TOM	Dat	RMITS GRANTED FOR NEW STATIONS	14 WXIV-TV NE Greenville
63	?	?		Bloomington; Bloomington 63	27 WVFT VA Roanoke (replace expired CP) 14 KTVJ CO Boulder
٦	•	•		Ltd. (conditional grant)	14 KTVJ CO Boulder 39 KMCT-TV LA West Monroe
22	?	?	МО	St. Joseph: Public Television	47 KXLT MN Rochester
				19, Inc.	62 WKAF NY Syracuse
44	565	659	٧A	Danville; C. Harry Anglin	14 KWHP ID Boise
65	1191	1013	OH	Defiance; Community Televis-	20 WNRP PR Ponce
				ion Associates	60 WPFP-TV AL Dothan
24	3390	1610	SC	Charleston; Charleston Commu-	64 WART PR Naranjito
1.				nity Television Ltd.	48 WIEC PR Ponce
				Cedar City: Michael G. Golden	66 WZTZ-TV MA Marlborough
23	803	608	ΤN	Marion: Mississinewa Communi-	15 WHRO-TV VA Hampton (for changes in faci-
1,2	•	?	ME	cations Corporation Lincoln: Native American Com-	lities)
45	?	•	1415	munications Corp. (no record	51 WHSI ME Portland
				of this grant here, but must	CONSTRUCTION PERMITS CANCELLED
1				have been granted since they	20 KEQO OK Enid
1				were assigned call letters	45 KQOL-TV OK Lawton
				KLNK.)	APPLICATIONS DISMISSED
26	384	907	PR	Ponce; Ana G. Mendez Educa-	IN Bloomington; ch. 63: Channel 63. Inc.
İ				tional Foundation	TX Dallas; ch. 58; Metroplex Television
				Magee; Wyatt-Clark Broadcing	Broadcasting (at its request)
64	1520	1372	NC	Kannapolis; Focus Television	MO St. Joseph; ch. 22; at joint request, ap-
				Company (Review Board rever-	plication by Metro Program Network for
42	2500	1100	TN	sal of initial decision)	commercial station to be dismissed and CP
روا	2508	1100	TW	Bloomington; Bloomington 63 Ltd. (initial decision)	will go to Public Television 19, Inc. for
122	130	820	WY	Cheyenne; Duhamel Broadcast-	educational station on commercial assgt.
1	150	محر		ing Enterprises	AZ Phoenix: ch. 3; Jason Communications Inc. OH Defiance; ch. 65; Craig Broadcasting Co.
12	316	1993	UT	Logan; John R. Powley	SC Charleston; ch. 24; Charleston 24 Ltd.;
				Seaford; L.E.O. Broadcasting	South Jersey Radio Inc.; Charleston Tele-
1				(summary decision; this and	vision Partners.
				two other applicants for this	RI Block Island; ch. 69; Minority Broadcast-
				were previously returned, but	ing of Block Island
				L.E.O. petitioned the FCC for	UT Cedar City; ch. 4; CMM Inc.
1				reconsideration apparently.	TX Beaumont; ch. 21; Sight & Sound Inc.
				So WKME-TV, the previous CP for that channel, is defi-	CA Watsonville; ch. ?; California Community
				nitely out of the picture.)	Television Network.
36	5000	970	म्य.	Capa Coral; Florida Family	AL Gulf Shores: ch. 55; Brahman Communications (returned)
٢	,000	710	гь	Broadcasting	NM Santa FE; ch. 19; Santa Fe Broadcasting.
<u> </u>					OK Oklahoma City; ch. 62; Kilgore Broadcing.
				EXTEND CONSTRUCTION PERMIT	OK Tulsa; ch. 53: Kilgore Broadcasting
	C.L. WTVU			E/CITY ew Haven	TX Fort Worth; ch. 52; Halton City Broade'ng.
	KTVJ	-		oulder (to replace expired CP)	TX Crockett; ch. 40; Hopkins Broadcasting
	WAXA	C		(D) benetered and a contract (D)	TX F1 Paso: ch. 65: Swan Broadcasting
	WDVI	D	ĒW	ilmington(to replace expired CP)	NC Kannapolis; ch. 64; Community Action Com-
		TV N	C G	reenville	munications inc. / wearem position teacher or
62	WKAF	N	Y S	yracuse	initial decision)
60	WPFP	-TV A	L D	othan	UT Salt Lake City; ch. 13; Salt Lake City
39	KMCT	-TV L	ΑW	est Monroe	Utah Television (dismissed at its request:
47	KXLT			ochester (still trying, Ron!)	still several others contending for ch. 13. CA San Luis Obispo; ch. 33; Channel 33 Ltd.
138	KMJD	-TV A	кР	ine Bluff orest City	(at its request; others still contending)
17.				CICARS A. L. LT.V	, (a ou _ ou _ ou _ ou _ ou _ ou

tions. Inc.

FL	Cape Coral; ch. 36; Cape Coral Broadcast					
ŀ	Production & Management Corporation;					
	Coastal Telecasting Corporation; South					
	Jersey Radio, Inc.					
	11. 1.12 1					

AL Mobile; ch. 31; Way of the Cross of Mobile. Inc. (returned)

ID Caldwell; ch. 9; Caldwell Television Associates. Ltd.

LA New Orleans; ch. 14; Powell Community Television. WI Milwaukee; ch. 58; KUSA Brewers Broad-

casting Television; Powell Community Television. WI Sheboygan; ch. 28; Retherford Publica-

FL Lake Worth; ch.67; Dan Mahoney.

APPLICATIONS TO MODIFY CONSTRUCTION PERMITS
8 n.c. 655 MI Iron Mountain; WILM-TV
38 3700 n.c. PA Scranton; WOLF-TV
26 3717 n.c. CT New London; WLCT
66 1919 1967 NC Forest City; WSQY-TV
61 3000 957 DE Wilmington; WDVI
16 1897 458 FL Key West; WTKW

17 3981 1247 OK Bartlesville; KDOR 20 68 1744 WY Casper; KXWY-TV CONSTRUCTION PERMIT MODIFICATIONS GRANTED

CONSTRUCTION PERMIT MODIFICATIONS GRANT
48 80 -120 NM Las Cruces; KASK-TV
28 1698 792 SC Hardeeville; WTGS
63 3717 n.c. CT New London; WLCT
40 1534 2029 AZ Tucson; KPOL
30 800 860 OK Shawnee; KCVT
60 5000 1139 AL Gadsden; WTJP
14 185 ? ID Boise; KWHP
8 366 635 MI Iron Mountain; WIIM-TV
(granted 9/26/85)
8 ? 655 MI Iron Mountain; WIIM-TV
(granted 9/27/84)
16 215 538 TN Jackson; WUAA
44 3258 n.c. FL Pensacola; WJTC

44 3258 n.c. FL Pensacola; WJTC
51 2565 912 ME Portland; WHSI

APPLICATIONS TO CHANGE EXISTING FACILITIES
27 1185 864 FL Tallahassee; WTXL
10 185 1725 WY Lander; KFWT-TV
8 n.c. 1693 AL Selma; WSLA
68 n.c. 1435 NJ Newark: WWHT

68 n.c. 1435 NJ Newark; WWHT 19 379 1506 OH Cincinnati; WXIX-TV 15 3000 2007 CA San Diego; KPBS-TV 11 316 1713 OK Tulsa; KOED-TV

FACILITIES CHANGES GRANTED BY THE FCC CA Eureka; KEET, ch. 13; granted MP to reduce ERP from 61.7 kw to 28.0 kw.

CA Salinas; KSW-TV, ch. 8; granted MP to change ERP to 158 kw Max.; 2942' AAT/ 1530' AG/4027' ASL; coordinates 37°03'30" /121°46'33"; TL around 9 miles north of Watsonville; not sure if station is presently operating as per CP or licensed figures.

TN Nashville; WTVF, ch. 5; granted MP to change from 100 kw to 100 kw max. ERP; 1390' AAT/1138' AG/2008' ASL. That's 41 feet lower that present antenna, despite HAAT figure.

IL Harrisburg; MSIL-TV, ch. 3; granted CP to 69 KSTV change ERP from 100 kw to 100 kw max.; 994' AAT/1000' AG/1600' ASL (151' higher) Same TL.

CO Pueblo; KOAA-TV, ch. 5; to replace existing antenna with a circularly polarized 10 KFOM-

antenna; TL to Basculite Mesa, about 7.9 miles NNE of Pueblo

AK Anchorage; KTBY, ch. 4; to increase HAAT from -147' to +78'; TL to 1200 L Street. Anchorage; coordinates 61012'39"/149054' 02".

FL Jacksonville; WJXT-TV, ch. 4; MP to change HAAT to 960'

CA Sacramento; KCRA-TV, ch. 3; applied for a license to cover changes (HAAT from 1490' to 1940'); evidently the change must have taken place.

FL Tallahassee: WTXL, ch. 27; to increase ERP to 1184.7'; HAAT to 864.4 kw.

FL Miami; WDZL, ch. 39; granted CP to change ERP from 5000 kw max/1920 kw hor. to 4000 kw max directional (will that increase the coverage area); same TL; 700' AAT/703' AG/ 713' ASL (20' lower than original CP); note: station had gone on the air with only 250 kw, using a borrowed transmitter from WMOD, ch. 43.

CA San Diego; KPBS-TV, ch. 15; granted MP to increase HAAT to 2007; TL to 250 east of existing tower atop Mount San Miguel; coordinates 32°41'47"/116°56"07".

FL Tallahassee; WTWC-TV, ch. 40; granted MP to change ERP to 3160 kw; (presently 3390 kw Max/750 kw hor.)

CALL LITTER APPLICATIONS
CH C.L. STATE/CITY/APPLICANT
53 WOKC IL Pontiac; Woodrow D. Nelson
23 WMCC IN Marion; Mississinewa Communications Corporation

51 WKID FL Fort Lauterdale; Blair Telev'n 29 WWKI-TV IN Kokomo; B.G.S. Broadcasting Inc 64 WSWB-TV PA Scranton; Scranton Family

Television Ltd.
47 WKBS-TV PA Altoona; Western Pennsylvania
Christian Broadcasting

49 WJYI VA Norfolk; WUHX-TV
16 WJWT TN Jackson; WUAA

TN Jackson; WUAA

66 WSMH MI Flint; Flint Broadcasting Limited Partnership

CALL LETTER APPLICATIONS: CHANGE EXISTING
64 WIII OH Cincinnati; WBTI
3 KIDK ID Idaho Falls; KID-TV
PR Ponce; Ana G. Mendez Educational Foundation

CALL LETTERS ASSIGNED: NEW STATIONS
16 KMH0 OR La Grange; Matlock Communicins
11 KNHH LA Houma; GACO Communications
35 KRRT TX Kerrville; Hispanic American
Broadcasting of Texas, Inc.

? WZDX AL Huntsville; WTXT
? KOTT UT Vernal; Matlock Communications
60 WGOT NH Merrimack; Golden Triangle TV
60 Corporation

45 KLNK NE Lincoln; Native American Communications Corporation
43 KKEC KS Topeka; Arapahoe Silent Majority Inc.

68 WLCH OH Mansfield; Eagle Broadcasting
69 KBTV IA Des Moines; Iowa Television
Authority

X Clarymone, Mogane State College

? HXCN JK Claremore; Rogers State College 53 WOKO IL Pontiac; Woodrow D. Nelson 25 KXXV TX Jaco; KMVT-TV 10 KFOM-TV BH Taief Eiver Falls; KONY 13 KHNL HI Nonolulu; KHNL-TV
54 WZDX AL Huntsville; WTXT
2 KGAN IA Cedar Rapids; KGAN-TV
8 WAKA AL Selma; WSLA
2 KATN AK Fairbanks; KTTU
27 KDFI-TV TX Dallas; KTWS-TV

27 WTXL-TV FL Tallahassee; WTXL

CALL LETTERS ASSIGNED: CHANGE EXISTING

CHANGES IN THE TABLE OF CHANNEL ASSIGNMENTS AR Little Rock: add 42z (despite objections by KLRT, ch. 16, that it would threaten its viability as the city's only UHF indie.)

FL Orlando; add 27z (site restriction 4.6 miles south of Orlando to avoid short-spacing to WMFF-TV, ch. 24 in Orlando and an applicant for channel 26 in Daytona Beach.)

CA Bakersfield; add 48z (site restriction 2.7 miles north of Bakersfield to avoid short-spacing to construction permit for KTLE, channel 63, Oxnard, CA.)

STATIONS ON THE ATR

OH WRGT-TV, ch. 45; seen by Bill Draeb on 9/21/84 with CBTP. 5000 kw max. ERP; 1166' AAT/1120' AG/2020' ASL; coordinates 39043'28.4"/84015'17.8"; TL at west side of Gettysburg Road, about 0.65 miles SSW of intersection with Hwy 4; owned by Dayton Telecasting Inc. (Dayton, OH)

CA San Diego; KTTY, ch. 69, seen by W.R. McIntosh on 9/19/84 with CBTP. 3239 kw max/1965 kw hor ERP; 1844! AAT/2655! ASL. Height above ground as given in reference must be way off. They have 2651! but considering this antenna is on or next to MUSI-TV's tower and only a few feet nigher, 144! AG seems more likely. TL is atop San Miguel Mountain, 13 miles east of San Diego. and for some reason I can't picture the top of San Miguel Mountain being only four feet above sea level.

MI Kalamazoo; WGVK, ch. 52. was scheduled to go on the air 10/1/1984 according to Phil Boersma. and was seen by Bill Draeb on 10/4, repeating WGVC, channel 35. 44.36 kw max ERP; 414' AAT/299' AG/1279' ASL; coordinates42°18'24"/85°39'26"; TL near Westwood; northwest of the intersection of Drake Road and Michigan Route 43. Owned by Grand Valley State Colleges, and is a satellite of WGGV, ch. 35.

GA Toccoa; WNEG-TV, ch. 32. went on the air 9/9/1984. 647 kw max ERP; 835' AAT/575' AG/1999' ASL; coordinates 34°36'44"/83° 22'05"; TL 3.2 miles from the center of Toccoa on Hwy 17.

TX Longview; KLMG, ch. 51, went on 9/9/1984; 3097 kw max ERP; 1249' AAT/1175' AG/1695' ASL; coordinates 32015'35"/94057'02"; TL 1 mile northwest of theintersection of Hwy 42 and Hwy 1513 in New London; address: KLMB-TV, Inc. 701 N. Access Road, Longview, TX, 75603.

CT Hartford; WTIC-TV, ch. 61; was seen on the air 9/22/84, and probably on as early as 9/17. 5000 kw max ERP/638' AAT/220'

AG/1080' ASL; coordinates 41°42'32"/72°
28'30"; TL Birch Mountain Road off Route
94. Glastonbury, CT. Independent station.
I promised one club member last month that I would start putting offsets in with the data for new station, and wouldn't you know I forgot? So here it is now:
WRGT-TV, Dayton, OH: 45z
KTTY, San Dlego, CA: 69z
WGVK, Kalamazoo, MI:*52+
WNEG-TV, Toccoa, GA: 32KIMG, Longview, TX: 51-

WTIC-TV, Hartford, CT: 61+ One more note: Bill Draeb and Harry Hayes both received an unidentified channel 19 from the Chio area, but no identification was seen. It's possible that WOIO in Shaker Heights near Cleveland might be on the air.

CONSOLIDATED HEARINGS

TN Cleveland; ch. 53; Silvey-Tone Television; Philip B. George; Cleveland Community Television Ltd.; Cleveland Television Ltd.; WFLI, Inc.

NY Jamestown (Convention City 184!); ch. 26; Retherford Publications. Inc.; Jamestown TV Associates. Both propose use of WWSE (FM) tower. Objections were raised by Western New York Broadcasting Association. owners of WNED-TV ch. 17 in Buffalo and by Chautaqua County Board of Cooperative Educational Services, owner of W26AA in Jamestown and other translators. They object that use of ch. 26 by a broadcast station would preclude its use by W26AA. Jamestown has a noncommercial assignment on channel 46, but W26AA can't change to channel 46 because of W46AB, Chautaqua County's hub translator, that supplies the signals for W26AA. The FCC replied that with the educational assignment Chautaqua County has the option of constructing a satellite station to cover the area now served by both translators. X Midland; ch. 18; FCC is to look into

(Midland; ch. 18; FCC is to look into accusations that KDCD owner Midland Telecasting and Plains Television Ltd. are engaged in license trafficking. See the 8/84 VUD for background.

FL Boca Raton; ch. 63; Falm Beach County
Educators Broadcasting Inc.; Acorn TV.
A competing application by Full Gosnel
Church of the Living God was previously
returned because applicant didn't qualify
as a nonprofit educational institution.

C Belmont; ch. 46; Scott Neisler; Agape Communications Inc.; Jimmy Allison; Gabriel Broadcasting Company, Inc.; Peidmont Crescent Broadcasting Company; Belmont Telecasters Ltd.; Wander Broadcasting of Belmont; ACTS of Metrolina Inc.; Metro Broadcasting Ltd.

KY Pikeville; ch. 51; Ralph W. Gabbard; Hobart C. Johnson.

CORONA, CALIFORNIA

Oak Broadcasting is putting KBSC-TV, ch. 58 up for sale, and hopes to sell its cubscriber list to Selec-TV, which uses KWHY-TV channel 22 in Los Angeles.

The WTFDA TRANSLATOR-LPTV LIST is out. At this moment I don't know what the price is going to be, but I'm sure it will be adver-

tised in this month's VUD. Fred McCormack mentions about the difficult came ABC and they now needed KTHI." The time he (as well as others, I'm sure) has getting information about television stations primary stations and I tried to update it as and translators. He mentions that the Denver newspaper has listings for a spanish station on channel 41, obviously a SIN translator, but has no call letters on it. Neither did I until the Federal Register printed the hearing on SICC stations listed a few pages back. Evidently there are several translators paper about the channel 27 assignment to Oroperating on a different channel with new call letters under program test authorization ciation, one of three mutually exclusive apand I don't have any information on them. He adds. "I also have trouble with designating transmitters as translators or LPTV. I think it is clear that the FCC regards transhators as only those transmitters which repeat broadcast signals whether received via off air, terrestrial microwave, or satellite microwave, but many pre-LPTV licenses and permits have translator file numbers even though they are authorized to carry other than broadcast signals. Have they converted to LPTV by notification yet?" According to the FCC rules adopted back in 3/4/1982, translators do not convert to LPTV at all. Before LPTV was even thought of, the FCC had permitted several translators in Alaska, and some in the Appalachian mountains to operate with certain rules waived. Some could originate programming, operate at higher than normal power, or rebroadcast more than one station. During the time that LPTV was under I am still missing some information from consideration and rules were proposed, the FCC advocated the idea of translators with low power features, which also included STV operations. This is where these thousands of time. In other news, KXLT, channel 47 in applications came in, jamming the entire system. Section 74.732(e) reads, "A proposal to change the primary TV station being retransmitted or an application of a licensed translator station to include low power TV station nitely the right place, so keep looking. operation, i.e., program origination or subscription service will be subject only to a notification requirement." I take this to mean that a translator is still a translator but with the freedom to act like a LPTV upon notifying the FCC. Does anybody interpret

this differently? primary station if the one they wanted to get tions for the FCC's grant of a construction by satellite will be unavailable. Fred adds. "It seems that it may be exceedingly difficult to get information about all the primary changes on a timely basis." Not really; actually, it's downright impossible. His next paragraph speaks for itself. "I am ouite certain...that...vou will begin hearing from DX'ers with tieir corrections (about the new LPTV-XLTR Guide): particularly, primary stations. There certainly have been a lot in Minnesota during the last few years. The big and the transmitter and tower of MGVK, ch. 52 shuffle started when KSTP, KNSP, and TTCN juggled their network affiliations. Next was zoo. the conversion of KCMT-KHLT from NBC to CBS. Prior to that, central Minnesota had only NEC

off air, and the last thing needed were NBC translators. Suddenly overnight there was demand for NBC and WDAY and WTCN suddenly had translators. But almost as soon as some stations converted to WDAY for NBC. WDAY belist depends on a 1982 microfiche list for much as possible, but expect there to be some changes. As I said last month, the FCC no longer requires the primary station, channel, or input channel on their data base lists.

NOVEMBER, 1984

John Combs sent an article from his local lando, FL. The Davtona Beach Television Assoplicants for channel 26 in Daytona Beach. objected that channel 27 in Orlando would cause interference, but the FCC felt that the site restriction about 5 miles south of Orlando's center should suffice. By the wav. there is a channel 65 assignment in Orlando, but that was granted to Metro Broadcasting about a

Ronald Purdue bought the latest North American Radio-TV Station Guide, and was surprised to see that it had a construction permit granted for channel 45 in Minneapolis. I'm surprised also, since it was just granted within the past few months. They must really have up-to-date information when they go to press. Also, he questioned why call letters WYEO were granted to ch. 40 when he never saw references to a construction permit granted for that channel. The permit was granted to Dan Mahoney, who applied for it on 11/28/83. back in April. 1984 which I am trying to find, and I suspect that the construction permit might have been granted about that Rochester. MN, plans to go on the air in November, 1984, but the tower has not yet begun about 0.7 mile southeast of Haverhill (3 miles NE of Rochester). That's defi-

Larry G. Fuss sent in a clipping from the 9/23/84 Atlanta Journal & Constitution about WN G-TV, ch. 32 in Toccoa. GA. It's an independent station with syndicated programming sports and news. News coverage is presently limited to CNN Headline News, but WNFG-TV plans to create its own local news and public About translators that have to change their affairs programming, one of the prime condipermit. The only access that area has to television is from South Carolina and North Carolina, so this will be the first Georgia station to reach northern Georgia. The signal will also reach into Tennessee and South

> Phil Boersma adds on WGVK-TV, ch. 52 in Kalamazoo, MI, that the studios tower, and transmitter of WGVC, ch. 35, are located at Grand Valley State College in Allendale. are just north of the city limits of Kalama-

> George Mileon says that MSTG, channel 64 in Providence, RI, is back on the air finally.

MZTZ, channel 66 in Marlborough, MA, should be on the air sometime this fall, apparently with music videos. The station has been getting free promotion on some of the local radio stations.

Jim Pizzi sent in an article from the 10/3/1984 Albuquerque Journal about KASK-TV, channel 48 in Las Cruces. "With the transmitter tower and the 5-meter satellite-receiving dish hoisted atop the First National Tower, all that remains is to install the transmitter itself ... " "The 80.000 watt transmitter was scheduled to be shipped Tuesday, and broadcasting should begin later this month.... "In 1980 KASK applied to the (FCC) for a low power television license, but the request became snarled in the flood of similar applications that overwhelmed the FCC. The bureaucratic mess and the realization that a low-power station would not provide the best service to the community prompted the (owners of KASK-FM) to regroup and apply for the full power license ... " The station will include recent movies, syndicated programs, local news, public affairs, and the Pacific Coast Athletic Association game of the week.

From Paul Swearingen, an article from the Humboldt Union, 8/29/1984. K30AL in Moran, Kansas, went on the air on 8/4, with a coverage area reaching as far as 35 to 40 miles from the transmitter. K3OAL is a translator repeating KTWU. channel 11 in Topeka. a PBS station.

Nate Ely confirms that the channel 2 discussed in the last few months is CJBRT, not CBJRT. He got the letters mixed up. You really have to be careful with those call letters. Nate. You never catch me doing anything like that, do you? Of course not! He also confirms that I mistook WNHT. channel 21 in New Hampshire for WHNS, channel 21 in North Carolina a few months back.

He also comments that I didn't mention that KWWL's channel 80 translator. K80AW in DuBuque, Iowa, has been off the air for two vears now. I had been inconsistent in mentioning translator information. I had been holding some translator information in order to avoid hindring the sales of the KLTR-LPTV list. but sometimes I think that it wouldn't affect it at all.

Bill Draeb mentioned an unidentified channel 19 coming from the same direction as Cleveland, and about as strong as channels 43 and 61. He mentioned that Harry Hayes had reported in one of his reports that he saw an unidentified channel 19. This could be WOIC. but I don't have any confirmation on that yet. He adds, "Ch. 8 in Cleveland, WI run by LTI (Lakeshore Tech. Institute) hasn't been on for quite a few weeks now. Don't know if this is permanent or not." I'm not sure what channel 8 that is; I don't have any current lists of ownership either. Is that a translator?

W.R. McIntosh saw KTTY, channel 69 on the air on the morning of 9/19/1984 with CBTP, but no station identification. Ten days later he photographed KTTY-TV. this time with another test pattern with call letters.

It started regular programming in the afternoon of 9/30.

Charles George sent an article from the 10/1/84 Dallas Morning News about KDFI-TV, channel 27 in Dallas, formerly KTWS. John McKay. general manager of KDFW-TV, channel 4 in Dallas, quit that position, purchased KDFI-TV from Liberty Television, and hired Jocelyn White of KDFW to be programming director. When the station, then known as KTWS, began programming on 1/26/84, it was a STV station with Preview; it later went to VEU. and last month dropped STV to go on to become an independent commercial station with syndicated programs and movies.

Bill Thompson wanted to clarify on one point. When he expressed his opinion about the success of music videos, he was referring to cable, not necessarily to broadcast television or low power television.

One comment I wanted to make about the program by Larry Fuss for computing distances, which is based on the method used by the FCC in determining distances between transmitters and reference points of vacant television channels. While the method is practical for stations no more than a few hundred miles, it can be off by several miles for E-skip distances, especially along an east-west path. It takes the miles per degree of latitude and longitude at the latitude of the midpoint between the two locations, then uses the pythagorean theorem to determine the arc distance between the two points. But the greater the east-west difference, the less the computed distance reflects a great circle route. But for stations within a few hundred miles, that east-west difference is minor.

You have heard of the movie. The Mouse that Roared, about a tiny European kingdom that declared war on the United States so that it could lose and receive foreign aid, then wound up winning the war. Then there was the Mouse on the Moon, a sequel where the same kingdom beat Russia and the United States to the moon. Well, the mouse is at it again. After 1500 years of being stomped on by all its neighbors, Luxembourg is launching a commercial DBS system with sixteen channels and broadcasting in different languages so that everybody in Europe will get to see it. Other European nations are calling it illegal because it will violate their airspace and destroy their national integrity. Some foreign officials are quite upset. In an area where each government has total control over what is broadcast from their own country, Luxembourg's DBS will be open to anybody who wants to broadcast. (Italy and Great Britain, however, do not control program content.)

Two ads I caught last month. One said that KWVT-TV in Waco, TX, will be NBC when ti comes on the air. WBMG-TV, ch. 42, Birmingham. AL. was to double its RRP to 2163 kw in time for the new television season.

I tried that antenna-tree experiment mentioned last month by John Combs. I didn't work so I cut the tree down. That's one way to increase your log totals.

EASTERN TV-DX

William J. Draeb Ellis St. R.R.#2 Kewaunee WI 54216

November 1984

Deadline: 1st

 W.P. Townshend;
 4500 Conn.
 Ave.
 NW.
 Washington
 DC
 20008
 #901 EDT

 Aug.
 1984
 Sept.
 1984
 Sept.
 1984

 16 Tr
 0800
 WWSG-57 PA
 3 Tr
 0915
 WTVZ-33
 VA

 1000
 WWBT-12
 VA
 20 Tr
 0801
 WHRO-15
 VA

Sept. 1984 3 Tr 0915 WYAH-27 VA

Robert Goodman; 2030 Hering Ave., Bronx NY 10461 EDT

May 1984

19 Es 1230 & 1355 WEAR-3 FL 12 Es 2025 WEDU-3 FL t 6 Es 1957 KDLH-3 MN t

13 Es 1842 WEDU-3 FL t 28 Tr 0000 WXNE-25 MA(strong)

I had some Es in at other days and times, but no I.D.s.

Rich Wertman; 315 Pine St., Lockport NY 14094 EST Conditions up here were pretty much dead for a while. Have been getting some pre winter breezes. I think that didn't help much. However, had some fantastic openings on UHF on September 11th and 12th. I was catching trops from the SW. I took your advice on the 75 ohm and went all out. I have a friend at the local cabel company and I can get all the ½" hard line I want for nothing!!! Reason for this is they buy it in 5000' rolls and when the spool gets down to around 250' they toss it out. Hard to beleive but every one should check their local cable company for waste. Their waste is our fortune especially at \$1.75 a foot! This stuff is fantastic for UHF and VHF. Also this helped my problem with amps picking up too many locals on overload. I got slightly delayed on installation of new 7' CM dish but should have her up real soon. Also, will be running a CP-4800 Winegard amp! Channel Master markets connectors for reducing ½" hard line to F connectors around \$6.00 apiece if I'm correct.

Sept. 1984	Sept. 1984	Sept. 1984
2 Tr 0030 WCL4-61 OH 22	5 8 Tr 0145 WQEX-16 PA 215	11 Tr 1100 WCET-48 OH 380
	WPSX-3 PA 200	
WPGH-53 PA 21		WKMR-38 KY "
CICI-3 ON 30		wkha-35 ky "
0050 WGTE-30 OH 27		WKPC-15 KY 515
WBGU-57 OH 28		WLKY-32 KY "
WTAP-15 WV 32		WDRB-41 KY "
0110 WTAJ-10 PA 20		WKMJ-68 KY "
MOUB-20 OH "	56 NY	1200 WWVA-23 WV t
WOUC-1+1+ OH 22		WLYJ-46 WV 265
0125 WKAR-23 MI 30		1230 WPBY-33 WV 365
0130 WXDN-20 MI 24H		12 Tr 1100 WTJC-26 OH 320
WDHO-24 OH 27	0 11 Tr 1030 WOSU-34 OH 290	WCET-48 OH 380
8 Tr 0130 WNEO-45 OH 20		
WLIO-35 OH 330		
WGTE-30 OH 27		
₩TO V-9 OH 200	WBTI-64 OH 380	WEYI-25 MI 280

I also saw ch.31 (WIHT) from Ann Arbor in late July broadcasting the National Weather Service. It was fighting with WUHF in Rochester which is just 40 mi. east of me. Have noticed at mine and Paul Crego's CTH in Lockport a ch.51 coming from Canada only on good tropo nights; all they show is color bars. (That ch.51 is in Maynooth, Ont.-wd). I'm looking for a 60-75' crank up free-standing tower. If anyone has a used one at a reasonable price please contact me. Also, a new member to the club, Paul Crego of Lockport has a 5' Finco dish for sale. We installed a full screen backing on it for better rejection with great results. If John Combs is still hunting, contact me!

Equipment: 12" B&W Zenith; 19" Panasonic color; Lance VM-886 log periodic VHF, 65; CM 8 bay bow tie UHF 68. HD-73 rotor.

Tom J. Yingling Jr.; 221 Pinewood Rd., Baltimore MD 21222 EDT (301)-282-5649

Sept. 1984
8 Tr 0615 WHNS-21 NC
0645 WTVK-26 TN
0700 WVPT-51 VA
9 Tr 2012 WFAT-19 PA
14 2300 WWBT-12 VA
2304 WRLH-35 VA
0517 WPGH-53 PA

Eastern TV-DX	Yingling; continued	November 1984
Sept. 1984	Sept. 1984	Sept. 1984
10 Tr 0520 WNBC-4 NY	Hurricane Diana Trops	14 Tr 0053 WPGH-53 PA
0523 WPVI-6 PA	13 Tr 2046 WJET-24 PA	0100 WFLD-32 IL t
0525 WABC-7 NY	2050 WSEE-35 PA	0120 WKBN-27 OH
11 Tr 0035 WLFL-22 NC	2100 WCLQ-61 OH	0130 WAKR-23 OH
0038 WENY-36 NY	2153 WFMJ-21 OH	0132 WTVS-56 MI
0117 WPGH-53 PA	2200 WKEF-22 OH	15 Tr 0140 WDHO-24 OH
2000 WLIW-21 NY	2210 WYTV-33 OH	0520 WUAB-43 OH
2005 WSBK-38 MA	14 Tr 0045 WCPR-62 MI	1600 WSKG-46 NY
2010 WXTV-41 NJ	0050 WKBD-50 MI	1700 WCDC-19 MA
		•

I took down the EU-4s amp and put it away. Now have AC-4990 on CM-4193 corner reflector on my other rotor right below my FM Probe 9. I will put the EU-4s up later on if I can find room on the roof! It's good to have a second Unif antenna for DX. You can have one pointed in one direction and another in another direction. This way I can DX 2 directions at once. I may put the EU-4s back up with antennas I got at convention later on.

Equipment: CM Quantum 1114 for VHF at 45' with Winegard BC-234. CM 4193 corner reflector at 45' with Winegard AC-4990. Finco 5' parabolic dish at 50' with Blonder Tongue CMA-Ub-75. Magnavox 8 hour vhs Model VR8400BK01 VCR. CDE AR-22L and CDE AR-33 rotors. CM-7008 tunable "Q" trap for chs.2-6 & FM. Teknika 6150 tuner.

Harry J. Hayes: 9 Henry	St., Wilkes-Barre PA 18702 ED	<u>XT</u>
July 1984	Aug. 1984 Au	ig. 1984
28 Es 1930 WMAB-2 MS	6 Es 1531 CKPR-2 ON 27	Tr 0250 Unid-22; Canad-
29 Es 1230 WBRZ-2 LA	CBWFT7-2 ON ia	n color bars.
2, 20 2230 1	10 Es 1430 KTVY-4 OK	
Aug. 1984	1459 KTVI-2 MO Se	pt. 1984
6 Es 1030 CJCN-4 NF	1530 KSNC-2 KS 13	Tr 0930 WYTV-33 OH
1318 KBTX-3 TX	12 Tr 0215 WWNY-22 VT 250	0944 WSEE-35 PA
1330 WLET-3 MS	Burlington	1000 WEAO-49 OH s/off
1340 KTBS-3 LA	WDAU off: WWNY late with	WCLQ-61 OH
1500 KGAN-2 IA	Olympics	1012 WJET-24 PA
1,00 110121112		1050 Unid-19 Akron
Equipment: RCA ColorTrac	25"; Winegard 2-6 yagi, CM a	unid-67
Finco 6' dish, Winegard	PA-4975; all in attic.	

Roy Barstow: P.O. Box 488-T, Teaticket MA 02536 EDT (617)-548-2329 July 1984 4 Tr 1715 July 1984 Sept. 1984 VA 380 17 Tr 2100 WHMM-32 DC 380 8 Tr 2100 WVNY-22 VT 240 W35AB, WXT V-41 WETK-33 VT " CIVS-24 PQ 270 2130 WNPE-16 NY 320 (WAVY-10) AV CAHIW NY 260 (WIKR-3) WBFF-45 MD 350 WLVT-39 PA 260 WITF-33 PA 325 W6ØAL WNPI-18 NY 310 (WVEC-13) 2200 WVTB-20 VT 210 10 Tr 2100 WVTA-11 VT 160 18 Tr 0015 Unid-51; same as WETK-33 VT 240 on 16th with "Johnny (rare here) WNNE-31 NH 170 2330 WLBZ-2 ME Carson": NBC. 2300 Unid-31; Philly WTHY-54 NY 170 21 Tr 0040 WLYH-15 PA 320 area; music video. WXXA-23 NY 180 WHP-21 PA 340 2400 WNHT-21 NH 125 11 Tr 2030 W41AC VA 380 WHTM-27 PA (sign off) WHHAD VA " WLVT-39 PA 260 0100 WPMT-43 PA 340 WVIA-44 PA 270 WCFE-57 NY t VĀ H W6ØAL (sign off); un-2300 WBOC-16 MD 340 der WGBY. WHRO-15 VA 440 22 Tr 2125 Tune in-9 Tr 0045 WLBZ-2 ME 240 2330 WTVZ-33 VA " CBHFT-5-46 NS 360 0100 WLVT-39 PA 260 WRLH-35 VA 450 15 Tr 2100 WBRE-28 PA 270 0120 WERZ-46 NY 275 (nothing else but semilocals) 0130 WMGC-34 NY WPMT-43 PA 340 WERO_16 MD " Aug. 1984
WERO_15 VA 440 6 Es 1900 CICI_3 ON 685
KDLH_3 MN 1120 WLYH-15 PA 320 WHP-21 PA 340 0200 WETM-18 NY 320 WICZ-40 NY 275 0310 WENG-12 NY "
0330 WPGH-53 PA +90
WPTT-22 PA " WLVI-39 PA 260 WJMN-3 MI 870 WTKK-66 VA 410 15 Ms 0225 CKCO-2 ON 575 WIVE-51 PA 285 (other unids) 2130 chs.26,32 DC 380 0400 WPCB-40 PA 475 WDPB-64 DE 330 26 Es 1230 WEAR-3 FL 1200 WTAJ-10 PA t 1300 WMAB-2 MS 1130 16 Tr 2100 Unid-51 Albany NY 0500 WSTM-3 NY 300

0520 WIXT-9 NY

area; IPTV or xltr.

Eastern TV-DX	Bar	staw; continued 1984 Sept.	November 1984
Sept. 1984 9 Tr 1600 CJCB-9 NS 530	Sept.	2100 WTIC-61 CT 110 23 Tr 2100 CKLT-9 NB 360	0347 WCCB-18 NC 700 0400 WECT-6 NC 640
In all day. Plugs for CFCY and CHLQ-	TO IL	2200 WSTG-64 RI	0430 WRDG-16 NC 605
Que 93 Armdale NS. Adr. for products.	22 Tr	Back on; 16 hrs/day. 2200 W63; music	0500 WRDW-12 GA 835 0545 WKFT-40 NC 630
1625 WVII-7 ME 240 2000-2100 16,22,28		video prog.//W59AT. 2130 WTHY-54 NY 170	(3/4 c.b.) 0600 WNSC-30 SC 725
47 MD in but things		WNUV-54 MD 350 2200 WHMM-32 DC 380	WRLK-35 SC 770 0610 WEBA-14 SC 825
happening to NE. 2100 CBHFT-5-46 NS		2300 WTVE-51 PA 285	0625 WLFL-22 NC 585
10 Tr 0000 <u>CBHT-7-52</u> NS (3.14kw) 335		2315 WCGR-50 DC 380 2330 WL\AA(WNVI) H 2345 WRLH-35 VA 450	(3/4 c.b.) 0630 WJWJ-16 SC 840
0030 <u>CBHT-2-7</u> NS (s/off) 320		WCPB-28 MD 31+0	0645 Unid-38; educ., from SC. (Probably
0035 <u>CBAFT-5-31 PEI</u> 510	23 Tr	Start of super opening: 0020 WGGT-48 NC 620	WNEH in Greenwood.wd)
Parallel with 46 NS		0030 WJPM-33 SC 710 0050 WPTF-28 NC 585	0700 WVGA-11 GA 1015 Valdosta; s/on.
in FF with opera "Slask": first PEL.		0110 WPDE-15 SC 710	0722 WTSG-31 GA 1015
0228 <u>CHMT-7 NB</u> 445 3/4 cb with Moncton		0125 WKFT-40 NC 630 0130 WCTI-12 NC 565	0730 WTOG-44 FL 1150
on it. 0245 CHHT-1-12 NS		0200 WGGS-16 SC 785 0220 WJCL-22 GA 875	Tampa-St. Pete. 0832 WUNM-19 NC 595
360 In good for .97 kw.		0245 WXEX-8 VA 450 0300 WPCQ-36 NC 700	1000 WEBA-14 SC 825 WGGT-48 NC 620
Have a good picture, will send in. 3/4 cb		0310 WLTX-19 SC 770 Abor 0338 Unid-20 saying A.M	
Unid's testing on 2,5		super station WCES-20 tire (educ.) w/record offers.	ed after 12 hrs. of
0, , ши тов		(04404) 11/20014 0220101	

After a dismal July and August, September made up for it with prime areas I needed. Sept. 10 and 23 DX have on tape and pictures. Called WTOG-H+ FL and played tape to female engineer and she said definately their jingle heard. Promised to send verification. It took 15 yrs. to get 300 stations, but then again I have the big pond to my back and only 180° to work with. Hil Log at 319.

Robert S. Ross: VE3JFC.	Box 4373, Stn. C. London ON N	
Sept. 1984		1984
13 Tr 0800 WPTT-22 PA	22 Tr 0245 CFT0-9 ON 22 Tr	0415 WTVG-13 OH
21 Tr 2330 WBGU-57 OH	0301 CITY-57 ON	0425 WGRZ-2 NY
2334 CICO-59 ON	0308 CFMT-47 ON	0525 WNEM-5 MI
2338 WCLQ-61 OH	0312 CHCH-11 ON	0536 WTOL-11 OH
2342 WEAO-49 OH	0315 WJRT-12 MI	0540 WVIZ-25 OH
2345 WILW-44 OH	0321 WPGH-53 PA	0543 WSEE-35 PA
2348 WGTE-30 OH	0333 CKVR-3 ON	0550 WDHO-24 OH
2354 CBET-9 ON	0350 CKCO-2 ON	0553 WKBW-7 NY
22 Tr 0206 WPDS-59 IN	0403 CICO-12 ON	0556 WICU-12 PA
Indianapolis		

Equipment: Toshiba 12" with rabbit ears for VHF. Flying Arrow UHF ant. Totals: 212 seen; 165 verified.

Saul Chernos; 79 Ridge Drive, Toronto ON M4T 1B6 EDT All DX seen at Burnt River ON; 80 mi. NE of Toronto.

July 1984 4 Tr 2250 CBLFT-6-12 ON 2251 CBLFT-1-7 ON	July 1984 25 Es 1652 WESH-2 FL 1905 WERZ-2 LA	July 1984 31 Es 1702 KLHY-4 KS Colby
2252 CHLFT-2-13 ON	26 Es 1800 WDIQ-2 AL 1804 WBRZ-2 LA	(with TP)
2255 <u>CICO-19-19</u> ON Sudbury	1815 WWL-4 LA	August 1984
2302 WWUP-10 MI	1829 WESH-2 FL	16 Es 2310 KNOP-2 NE 17 Es 0040 Unid-3; ABC
2328 <u>CKVR-2-8</u> ON Huntsville	1830 KJAC-4 TX 2302 KKJO-2 MO	(zero offset to
5 Tr 0011 CBLFT-15-34 ON	(ex-KuTV)	CKVR)
9 Es 2200 WDIQ-2 AL	2303 KSNC-2 KS	26 Tr 10307 0N 2 0N

Last two both new; "Mid Canada TV", probably from around Kapuskasing area.

16 From one column editor to another, at least there hasn't been a lot of typing for us to do this season. (I would sooner have the DX.-wd)

Tom J. Yingling: Jr., 221	Pinewood Rd., Baltimore	MD 21222 EDT
Sent. 1984	Sept. 1984	Sept. 1984
22 Tr 0010 W+1AB VA	22 Tr 2358 WFMZ-69 PA	23 Tr 0131 WPDE-15 SC
OOLL WAZAC VA	23 Tr 0001 WN BC-4 NY	0138 <u>W47AD CT</u>
0155 WLFL-22 NC	0002 WVEC-13 VA	Hartford
0517 WRDG-16 NC	0005 WITN-7 NC	0140 WEDH-24 CT
0531 WPCQ-36 NC	0010 WNCT-9 NC	0212 WCTI-12 NC
0532 WKFI-40 NC	0015 WTKR-3 VA	0627 <u>WTIC-61 CT</u>
0535 WHAD VA	0016 WXEX-8 VA	Hartford
(with KYW)	0018 WTVR-6 VA	0649 WLFL-22 NC
0536 WHLAC VA	0019 WLVI-56 MA	0651 WGGT-48 NC
(with WDVM)	0020 WSBK-38 MA	0658 <u>WTNH-8 CT</u>
0538 WCCB-18 NC	0021 WNJU-47 NJ	New Haven
0555 WHMC-23 SC	0022 WXTV-41 NJ	0705 WLVI-56 MA
Conway	Q023 W35AB PA	0706 WXNE-25 MA
0604 WXEX-8 VA	0024 WVIT-30 CT	0707 WSBK-38 MA
0605 WPDE-15 SC	0030 wwht-68 nj	0709 WNBC-4 NY
0619 WUNM-19 NC	0031 WSNL-67 NY	0710 WNEW-5 NY
Jacksonville	0035 WRAL-5 NC	0712 WABC-7 NY
0703 WLXI-61 NC	0040 WHNS-21 NC	0715 WPIX-11 NY
Greensboro	0041 WGGAI NY	0722 WNJU=1+7 NJ
0710 WAGT-26 GA	0042 W59AT NY	0745 WEDH-24 CT
Augusta	0055 <u>w58ao ma</u>	0747 WRBV-65 NJ
0716 WGGT-48 NC	Dennis	0750 W61AC-ch.12 CT
0730 WVPT-51 VA	0108 W63AS NY	Hartford
1910 WRBV-65 NJ	Woodbury	0753 WEDW-49 CT
2052 WUNK-25 NC	0130 WTBY-54 NY	0828 WEDN-53 CT
_ •= ······ -•	. = 5	0858 WCVE-23 VA

Here's an update to my last report, so just add to what I last sent or same to next month's column. I hope this way of reporting is okay to you. I hope the print is not too small to read. Maybe next year I will have a full size printer to send my reports in on. I know that using my computer for my logbook that I can log more than the other way. Anyway, I got my Winegard AC-4990 back from the shop for repairs and it really is doing good. I use it with the corner reflector. The amp got filled with rain water a few years ago and using it on the corner reflector it acts a little different than the dish does. I'm going to change the CMA-Ub to the new Winegard soon. In using the Teknika unit on trops, it's great. I would have a little more trouble in I.D.ing the channel. I was tuned on it, I used the tuner on the VCR. I would have tuned in channels on the tnumb knob and watch the TV tuner to see if I have the same channel.

what a good DX weekend of 9/22 & 23. If you didn't get good tropo, then you missed it all! I got lots of good video I.D. for my I.D. tape and 10 new stations. The Teknika 6510 is a must for TV DX! It works great with VCR's too for taping your DX. The only thing wrong about getting new stations is that they are not in the phone book or Broadcast Yearbook for address's to send QSL reports to. A few of my loggings are going to have to wait to get addresses before I mail my report in.

Bob Seybold: Dunkirk NY

Aug 1984
24 Tr - Big opening noted about 0730; Ft. Wayne U's excellent; WNDU-16, Cleveland, Canton, Akron, Youngstown U's super. Also WLFI-18, WHIZ-18, Springfield, Columbus, Dayton U's excellent; WXIX-19, WKPT-19, WTVQ-36, WKMR-38, WSFJ-51, Scranton, Harrisburg, Philly, Washington U's; Binghamton, Elmira U's super, many xltrs; Hershey, WPEY-33, W41AA, WPBO-42, CBLFT-15, 32, 44 etc.; WIXH-15, W27AC(WBGU), WKYT-27, Maryland U's, WCDC-19, WVIT-30, W30--(Elmira xltr). Evening- Detroit, Grand Rapids, Toledo, Flint, Lansing, Ft. Wayne 15,21, WIHT-31.
25 Tr Evening - good trops: KTSE-27, KSNF-16, KDNL-30, WLKY-32, WBAK-38, WXIX-19, WCET-48, Chicago, Dayton, Columbus U's; WTJC-26, WICD-15; S.Bend U's, WDRB-41, Indy, Muncie, Sandusky U's; Ottawa, Watertown, Norwood, Utica, Syracuse U's super: WCDC-19, Wisconsin U's 18,19,20. Translators good to east.

26 Tr Morning- super; Michigan U's, Ft. Wayne, S.Bend, WKOI-43, WHMB-40, WPDS-59, Lexington U's, Cincinnati, Muncie, Portsmouth, unid-53(educ.), WKMR-38, WCFC-38, WBAK-38, WZTV-17, WCAY-30, Dayton, Columbus, Springfield, WGRB-34,

Bastern TV-DX Seybold; continued--- November 1984 WKIE-46, WKON-52, WKMR-38; WSFJ-51, WLKY-32, WDRB-41, WKMJ-68, WTAP-15, WKPC-15, WTIW-44, WLIO-35, Crossville TN-55(I thought they changed their call and moved to ch.20. They used to be WCPT-55 but now are WINT-20. Comments??-wd) WHIAA. Evening-WGGN-52, WOUB-20, WOUC-44, WVIV-18, WVCY-30, WNDU-46.

27th-Sept. 7th - Good trops in this period; misplaced loggings.

Sept. 1984 8th Tr-A.M.-WFAT-19, WDLI-17, WKMR-38, WBAK-38, WTAP-15, WSFJ-51, WUHQ-41 CHOT-40. Columbus, Springfield, Indianapolis, Cincinnati, Ft. Wayne, WGRB-34, WKGB-53, WTVQ-36, W+LAA; evening- super ENE; CIVU-15, WHED-15, CIVM-17, WMHT-17 Watertown, Norwood, Elmira, Scranton, Binghamton U's very good; WHCT-18, WCDC-19, WUTR-20, WTXX-20, WNHT-21, WNDS-50, WXXA-23, WCNY-24, WXNE-25, WMEG-26, WSMW-27, WVER-28, WETK-33, WVNY-22, WVTA-41; Ottawa-33,45; WSEK-38, WGEX-44, WLVI-56, WQTV-68, WVIT-30, WUTR-(xltr on 63), WNNE-31.

9th Tr-A.M. WFAT-19, WCDC-19, WSBK-38, WGBX-44.

12th-16th Tr - fair. 19th P.M. Tr Chicago U's, late; S.Bend, Ft. Wayne U's, WKOI-43, WTLW-44, WBGU-57, WUHQ-41; Michigan U's good.

20th Tr A.M.- WVIT-30, WTEY-54, WSNL-67, WLYH-15, Binghamton, Elmira, Scranton U's: xltrs to east - 62,63,64,65,66,71,72.

21st Tr A.M.- WHMB-40, WPDS-59, Cincinnati U's; WNDU-16, WKJG-33, WQRF-39, WLFI-18, WOSU-34, WPTD-16, WKOI-43, WBAK-38, WCFC-38, WCIU-26, WFLD-32, WBBS-60, WLKY-32, WTLW-44, WBGU-57, WTJC-26, WFUM-28, WTPB-49, Peoria U's, KNNL-30, P.M.-WXMI-17, WUHQ-41, Green Bay U's, WCMU-14, WUCM-19, WTAP-15, WDLI-17, WHIZ-18, Pittsburgh U's good; WGGN-52, WSFJ-51, S.Bend U's, WTTE-28, WOSU-34, WRGT-45, WEKZ-63(rare), WOAC-67, W67AJ, _---65(French), WBBS-60, WFEN-66, W36AB, Morgantown xltrs on 41 & 48; WLJC-65, WCMV-27, WCMW-21, WGTU-29(rare),

22nd Canada U's 34,51,55 super; CHOT-40, Elmira, Binghamton U's, WCNY-24 good.

50,56,62,66(xltr); Elmira, Scranton, Binghamton U's; WUTR-20, WNPE-16, WFAT-19, Pittsburgh U's super; WLYH-15, WITF-33, WDCA-20, WBFF-45, WMPB-67, WVAH-23, WTAP-15, WNPB-24 and xltrs on 41,44,48 very good, WPEY-33, WKPT-19, WTVK-26, WCAY-30; evening trops super strong from all A.M. loggings plus these: WPTO-14 (rare), WCMU-14, WFIE-14, WBHA-15, WKPC-15, WHRO-15, WICD-15, WUSI-16, KSNF-16, WZTV-17, WAND-17, WLFI-18, WLEX-18, KTEJ-19, WRAU-19, WHNT-19, WAAY-31, WAFF-48

13th Tr(last 3 of above were seen on early A.M. of 13th). A.M. WOUB-20, WICS-20 ISTA Tr(last 3 of above were seen on early A.M. of 13th). A.M. WOUB-20, WICS-20 WFYI-20, WKMU-21, WHP-21, WKPI-22, WAPB-22, WCTE-22, WKZT-23, WPTY-2+, KNLC-2+ WEHT-25, WKAS-25, WEEK-25, WCIU-26, WKTT-27, WKSD-29, KTWP-29, WPTF-26, WTPA-27 KMTC-27, WRCT-27, KNNL-30, WK0H-31, W31AA(WOSU), WMBD-31, WWPB-31, W32AC(Muncie) WKMA-35, WRLH-35, WTV4-36, WCFC-38, WFYZ-39, WLVT-39, WHMB-40, WDRB-41 WPBD-42, WKCH-43, WHME-46, WSEN-47, WCET-48, KYFC-50, WVFT-51, WMSY-52, WGGN-52 WNTT-53, WCVN-54, WCPT-55, WKYH-57, W58AM(WNEO), WTSF-61, WEKZ-63, WLJC-65, WFMI-64, WTKK-66, DC 20,26,32,50, WNUV-54; Philly 17,29,57; WTVE-51, WFMZ-69, WPMT-43, WVIT-30, WSNL-67, WKMJ-68(rare), WFHL-23, WEVV-44, KEKR-62, KSHB-41, WBRR-10, KATV-7 and V's from Louisville, Indy, Cincinnati, Huntington, + others. WBIR-10, KATV-7 and V's from Louisville, Indy, Cincinnati, Huntington, + others. Several deep ranging from 200-1000 mi. trops. Kentucky signals the best and most signals of local strength. One of best openings I have ever observed with close to 250 stations involved.

14th Tr A.M- Ft. Wayne U's; WN DU-16, WPTD-16, WCEX-16; Scranton, Elmira, Binghamton U's; WUTR-20, WVIT-30, Indy U's, WBAK-38, WKMR-38, WTVC-36, W36AB, Cincinnati 19,48,64; WKON-52, WGCN-52, WSFJ-51, WKGB-53, WCVN-54, WTFY-54, Pittsburgh U's good; WFAT-19, WHIZ-18, WUCM-19, Michigan U's 19,20,23,25,28,31,35, 41,47,50,56,62; Canton 17,67; WKEF-22, WTJC-26, WOUB-20, WOUC-44, WTLW-44, WB-CU-57, WIPB-49, WKOI-43, WOSU-34, WTTE-28, WTAP-15, WCMV-27, WLKY-32, ----51, ____69, W66--(Dayton xitr), Toledo U's.

Chris Hanley: P.O. Box 15349, Winston-Salem NC 27113 My job has kept me pretty busy this summer; I've not had much time for DX. 18 From what I've heard there's been much to miss. Only two new stations to reEastern TV-DX port, both new to the airwaves: March 1984 5 GW WLXI-61 NC Greensboro (rock video)

September 1984 13 GW WRDG-16 NC Burlington (Christian programs)

I'm still hunting WUNM-19 Jacksonville. Also, WJKA-26 Wilmington was scheduled to go on in Sept. (according to Bill Fahber of WD TV News). If it got on the air I never saw it; Hurricane Diana likely changed a few plans in that

Worldwide TV-FM DX Association

ANARG UPDOTE STEVEN P. SPRACE 39-16 48 Street Sunnyside N.Y.

STEVEN P. SPRACHMAN Sunnyside N.Y. 11104

PART IV- The ANARC Convention- Sunday, the conclusion.

Sunday, our final day. It was my day to be a lecturer. At 9am, the TV -FM DX session was scheduled, to be hosted by me. This year it was better publicized. Each day, a one page newsletter was published for the convention. It would tell little antedotes from the day before. Also, it told of the days events. On it were listed all the morning seminars and where they were being held. Because of this, we had a better turn out them last year. We had about ten people. Unfortunately, because a seminar on AM DXing was scheduled at the same time, several people who expressed an interest were unable to attend.

I had some help on the seminar. Saul Chernos and Mike Reid were there as the local TV-FM experts. They really know their stuff. Several questions were asked on propagation, and they easily answered them. Mike and Saul answered all the FM DX questions and we all spoke of our TV DX experiences. We even talked about LPTV's and the demise of WKBS-48 Philadelphia. The session went very well, and it lasted about one and a half hours,

From there I went to the World Radio TV Handbook quiz hosted by Ardy Sennett. A team from the U.S.A. went against a team from Canada headed by Ian McFarland of Radio Canada International. There were questions about languages speken in different countries, station's addresses and station's names. Well, the U.S. team lost. Even I knew the answers they missed.

The final program was a Central American Travelogue. It was a fascinating look at a troubled region of the world. Tom Wilkins, the programs host had pictures that showed the contrasts between two countries- Costa Rica and Guatamala. The two countries greatly differ and the travelogue helped me to understand why one country is politically stable (Costa Rica) and the other is not.

After lunch was the HAP Auction and the closing cerramonies. Unfortunately, we had a plane to catch. So, after we checked out, we drove back to Buffalo. The convention had a nice turnout, about 270 people. And the hotel was very nice. ODXA did a good job and they should commended for the fine effort. Also, I'd like to say hello to everyone I met and thank you to all those who provided their time and knowledge to help WTFDA and myself out.

Next year, ANARC meets in Milwaukee. Please start making your plans to be there. You won't regret it. For more information on ANARC '85 write to ANARC '85 c/o National Radio Club, P.O. box 24, Cambridge Wi. 53523 USA.

One final thought. I did learn something very important in Toronto. Taco flavored popcorn tastes really awful.

Until next time, 73's and best of DX.

Steven & Sprachman

QSL CORNER

Thomas J. Yingling, jr. 221 Pinewood Road Baltimore, MD 21222 1-301-282-5649

TV-OSL

MD W36AB 36 Oakland, % Maryland Public Broadcasting, WWPB-TV, Route #2, Box 31 Clear Spring, MD 21722. Card back from Chester Fabijanski, CE xltr is lkw at Dear Peak 5 miles nne of Oakland, MD. Gaines Columbia, 501 Bus Loop 70 East, zip 65201. Letter from Tom Koenig KCBJ 17 send 3 pages-info, coverage map & letter. Omaha, 3501 Farnam St., 68131. Letter from Wayne L. Goetz, CE WOWT 6 NE in 2 weeks. Elv WY KOWY 5 Lander, % Wyoming Action Network, P. O. Box 170, Casper, WY 82602 Letter from George Vavra, Operations Manager in 2 weeks. Ely San Angelo, 406 S. Irving, 76903. Letter from Edward S. Mateo, TX KIDY 6 CE in 2 weeks. WOI 5 Ames. Card from Janis Marvin, Program Manager (zip-50011) Reid OH WTLW 44 Lima. Card from Roger Rhodes, Program Director. 1844 Baty Rd. zip 45807 in 2 weeks. Indianapolis, 1950 N. Meridian St. 46202. Card from John (?) WISH unreadable last name in 31 weeks. Bismark, Box 1738, 58502. Letter from Jack Davis, CE 3wks. Reid KBME 3 both qsl from % PPTV, 4500 S. University Dr., Fargo, KWSE 4 Williston ND 58102. One card for both from Don Geiken, Dir. of Eng. in 1 month. Reid SK CKCK 2 Regina both % Box 2000, Regina, SK zip S4P 3E5. 2 letters CKCK2 6 Willow Bunch (1 for each channel as requested) from William Stevenson, Dir. of Programming in 8 days. NB CKYB Brandon, % Polo Park, Winnipeg, NB R3G OL7. Letter from L. Tisch, Eng. Dir. in 8 days. 5 Brandon, P. O. Box 1150. R7A 6A5. Letter from Lawrence Dubois, CE in 2 weeks.

Reporters this time are Paul Gaines of Detroit, MI; Mike Reid of North York, Ont. Canada; & Jeff Kadet of Macomb, IL. Below is Jeff's qsl letter from WPTF-TV ch. 28, P. O. Box 1511, Raleigh, NC 27602. Next month more qsl letter copies with Jeff's Colorado translators & Roy Barstow of Teaticket, MA-Florida trops. 73's till then!

WPTF TV

411.5 Soistour, Sheet Post Chice Soc 1911 Roeign North Coronia 27002 719-832-8311 TWX 510-728-1852

September 13, 1984

Hr. Jeffery H. Endet P. O. Box 20 Macomb, Illinois 61455

Dear Mr. Kade

It is indeed my pleasure to confirm your DX of September 7, 1984.

MPTF-TV 28's transmitter is located in Apex, North Carolina. We have a Barris BTU-220 Transmitter with an E.R.P. of five megawatts. The antenna is an RCA slotted UHF mounted stop a 1,240 foot tower.

Congratulations on your catch.

Sincerely,
Vallam Jamme
Lathen Hamoer
Chiaf Engineer

LH/bof

Engineer

Since the club has no computer column yet. and the last 2 months had computer program printouts I thought that if any member has an Timex-Sinclair computer, to let me know. I have a few programs for use. Send a sase for program print out. I have MUF. distance, log book, & a few more interesting ones to play with. For Timex-Sinclair models-1000, 1500 & 2068. If you are good with computers you maybe able to make work with other brand name computer. If there is enought interest maybe there will be a new column someday. 73's again.

Ton

WESTERN TV-DX

Fred McCormack Box 5221 State University Sta. Fargo, ND 58105

November 1984

Deadline: 12- 7-84

There are only three reporters this month, but their reports include a number of very nice tropo loggings. William Eckberg's loggings from the exceptional tropo opening of last August 24-25 appear this month, and include the logging of KLFY-10 at 809 miles. All three reports indicate that some good tropo days occurred in September, a fact which escaped me here in Fargo! I haven't added a single logging since my last report.

New New Mode _ Tent. - t Unidentified - unid S/On - + S/Off - = ID Color Bars - θ Unid Color Bars - ϕ IHTP - ϕ Misc. Test Patterns - &

William Eckberg, RR#4, Dixon, IL 61201

CDT

Equipment: Zenith b&w tube receiver, CM 1110 VHF antenna, CN 7' UHF parabolic with Winegard PA4975 preamplifier on a 30' tower.

August 1984	24 tr 2325 KGMC 34 OK 612	30 tr 0855 <u>WKMA</u> 35 KY <u>317</u>
19 tr 0648 WCET 48 OH 308 0655 WBTI 64 OH 308	25 tr 0035 <u>KARD</u> 14 LA <u>651</u> 0520 <u>KNLC</u> 24 MO <u>203</u>	September 1984
0655 <u>WBTI</u> 64 OH <u>308</u> 0700 <u>WKGB</u> 53 KY <u>359</u> 0800 <u>WKMJ</u> 68 KY <u>308</u>	0535 <u>KLFY</u> 10 LA <u>809</u> 2230 <u>WKON</u> 52 KY <u>317</u>	7 tr 2200 <u>WSVN</u> 47 VA <u>483</u>
22 tr 0315 <u>K25AG</u> 25 NE K <u>GIN</u> (Cambridge w/KELO-11)	2305 WKLE 46 KY 361 26 tr 0200 WPTT 22 PA 491	8 tr 0003 WILW 44 OH 278 12 tr 0455 WLOS 13 NC 558
0520 KGIN 11 NE 458 0610 KSNT 27 KS 375	0530 <u>WEYI</u> 25 MI <u>298</u> 27 tr 0010 <u>WAKR</u> 23 OH 404	12 tr 0455 WLOS 13 NC 558 0530 WXON 20 MI 324 0545 WCMV 27 MI 263
0700 <u>KLDH</u> 49 KS <u>375</u> 0730 <u>KTWU</u> 11 KS <u>375</u>	0455 WSEE 35 PA 481 WJET 24 PA 481	13 tr 2155 WJPT 14 IL 137 14 tr 0250 WAKR 23 OH 404
0800 KYNE 26 NE 335 0900 KHNE 29 NE 464	0505 WVIZ 25 0H 393 0510 WFMJ 21 0H 450 0515 WKEN 27 0H 450	0458 WOMH 4 OH 350 19 tr 2400 WTCT 27 IL 274
24 tr 0310 KABY 9 SD 509		20 tr 0130 WHBQ 13 TN 451 0235 KSNF 16 MO 413
0515 <u>KAKE</u> 10 KS <u>498</u>	0535 KSPR 33 MO 372	0300 KBSI 23 MO 304
0525 <u>KOKH</u> 25 OK <u>612</u> 0650 <u>KAUT</u> 43 OK <u>612</u>	0635 <u>KZOK</u> 21 MO <u>372</u> 0725 <u>KSNF</u> 14 MO 413	21 tr 0500 WHIZ 18 OH 398 0525 WKOI 43 IN 264 0545 WAEO 49 OH 404
2230 WSCO 14 WI 231 2250 KDSD 16 SD 509	0745 <u>W49AG</u> 49 WI <u>111</u> (Bloomington WHLA-31)	0545 <u>WAEO</u> 49 OH <u>404</u> 0700 <u>WEGU</u> 57 OH <u>278</u>

I was gone the first two weeks hence no DX. Two unusual occurrences might be of interest to other DX'er's. The reception from 0520-0900 on August 22 into Kansas and Nebraska appeared to be a duct. DX was snow free to the point that it overloaded the locals. Stations a short distance to the north or south were very weak or nonexistent, i.e. Springfield, Missouri and Sioux City, Iowa. Reception was on the backside of an east-west front that passed through a line from Hastings, Nebraska, the center of the area, through Dixon, passed through southern Michigan and into eastern New York state.

Also from about 2230 on August 24 to 0600 on August 25, it appears that DX'ers in North Dakota and Wisconsin had a chance at some long haul trops to the gulf. During this time, I received stations 500 miles plus to the northwest, 600 plus miles to the southwest, and 800 plus miles to the south. I can't ever remember trops this good to the north, south, and west at the same time!!! Nothing to the east. I was having antenna problems or I would have had more ID's.

I received two unusual loggings (in September). I aimed my antenna at the hurricane on the coast of North Carolina and logged WLOS-13. Tropo was good into Michigan, but not to the southeast. I logged WSVN on September 7 in an apparently shorted lived duct. They were out by 2300. Also, during this brief period of one hour, Cincinnati and Lexington UHF's were in good. Tropo was down otherwise.

Jacksonville, Illinois is on with limited programming and testing with color bars -no TD.

To shorten my report, I am only reporting new and 400 plus mile DX. The \log is at 416 with 45 new.

William Draeb, Ellis St., Rt. #2, Kewaunee, WI 54216

CDT

A few signs of Es early in September and tropo activity had a few good days, but aside from that, not much. I haven't seen an exceptionally good tropo day in a long time. A few new stations which recently came on added to the interest.

November 1984

MESCETTI TA	24.		1,04
William Dra	eb (continued)	5 tr 2040 KDNL 30 MO 432 WTVQ 36 KY 473	21 tr 1930 WNEO 45 OF 406 2000 WUTV 29 NY 445
August 1984	ı	2040 WKLE 46 KY 473	2122 WGGN 52 OH Rare
27	Local WPNE-38	7 gw 2229 WCMW 21 MI 60	22 tr 0710 WLKY 32 KY 437
4 1	never came on.	(Manistee)	WDRB 41 KY 437
28 tr 2100	Central Indiana	WCMV 27 MI 87	WXIX 19 OH 400
20 11 2 100	& Illinois UHF's	(Cadillac)	WCET 48 OH 400
	booming in.	(Both are WCMU	0726 WTVQ 36 KY 473
2230	Eastern OH UHF's	repeaters)	WBTI 64 OH 400
22.50	& others booming	8 Es 2012 KMID 2 TX	(Both snow free)
	in.	KBTXt 3 TX	WLJC 65 KY 520
2230	WKYT 27 KY 473	KJACt 4 TX	(ID for over one
22,50	WTVQ 36 KY 473	KATCt 3 LA	minute at 0730)
	WCET 48 OH 400	KPRC 2 TX 1118	WKYT 27 KY 473
2300	WKEF 22 OH	9 Es 1545 unids ch 2 south	0749 WTJC 26 OH
2,00	(Over WSBT)	12 tr 1900 WUTV 29 NY 445	(Over local WLRE)
2310	KDNL 30 MO 432	13 tr 0811 WFMJ 21 OH 420	0826 WPBO 42 OH 461
25,0	(Snow free)	WKBN 27 OH 420	(WOSU ID)
30 tr 0714	KDNL 30 MO 432	19 tr 0730 KRIN 32 IA	0828 WRGT 45 OH 368
50	(Snow free)	(Over local WXGZ)	(Dayton - snow
	KNLC 24 MO 432	20 tr 1900 W68AA 68 IL 300	free w/unid CB
0719	KMTC 27 MO 589	(Darville WAND-17)	23 tr 2027 WCET 48 OH 400
	KOZK 21 MO 589	21 tr 1900 WPGH 53 PA 480	2056 Lexington Us 473
0732	KSPR 33 MO 589	WPTT 22 PA 480	(Except ch 18)
0825	KFVSt 12 MO	unid ch 19 ese	WGRB 34 KY 508
		1925 Erie UHF's 40°	2059 WKHA 35 KY 551
September 1	984	1930 Yngstown U's 420	24 tr 1935 WTVQ 36 KY 473
5 tr 2040	KNLC 24 MO 432	(Except ch 58)	WKLE 46 KY 473
	-		

The two new CMU repeaters are no big problem here as far as dominating the channel each is on. Most of the time, the one on channel 27 is buried under WLRE-26 slop over and channel 21 is snow free during fair weather, but varies condsiderably - down to nothing when the weather is stormy - even though they are only 60 miles away across Lake Michigan. It must be their short 340 foot antenna which causes them to vary quite a hit.

Channel 45 in Dayton is about the same strength as WKEF-22. WLJC-65 was kind of snowy when I saw them, but not real weak. At the same time, Lexington U's were snow free. Their ID slide is similar (i.e. the same size and type of letters) to WBKZ-63. At 0730, their programming was parallel to WKOI-43 which I believe was getting their programming off a satellite.

Jeff Kadet, Box 20, Macomb, IL 61455 (309)-833-1809

CDT

Equipment: Zenith N1310 color, Channel Master 1110 with CP 3800 preamp, RG-11 at 50', Channel Master 7' dish with PA 4975 preamp, .500 cable at 55'

1 tr 0545 WHNTE 19 AL 6 tr 0303 K13MN 13 IA 80 (Washington KGAN-2) 7 tr 2215 WPTF 28 NC 720	12 tr 2245 WSVNt 47 VA (0 kHz - WTVP, went off 02300) 2310 WKMBt 38 KY (0 kHz - K38AB)	2112 WTCI 45 TN 475 2152 WDSIT 61 TN 2159 WBMG 42 AL 575
2217 WKPTt 19 TN (Hvy 0 kHz-WRAU) 8 tr 0114 @WJHL 11 TN 525 0149 =WBBJ 7 TN 350	0132 WMKWt 30 TN	0208 unid ch 23 west (Xltng KWCH-12) 0453 <u>+WLOS</u> 13 NC <u>550</u> 0454 <u>+WBIR</u> 10 TN <u>48</u> 5
(S/off at 0200) 1916 K30AL 30 KS 305 (Iola KTW-11) 9 tr 0552 K30AL 30 KS 305 (Iola W/KGIN-11)	(Too much KDNL) 0500 +WTVC 9 TN 475 2030 Michigan 14, 23, 28, 35, 41, 50,	0538 unid 43 sse CBTP (S/on=0600 TV43)
12 tr 0132 <u>KTHV</u> 11 AR 410 0700 KPOB 15 MO 255 (Only second time seen) 1940 <u>WAFF</u> 48 AL 455	56, and 62. 2242 CKCO3 42 ON 460 2234 CIII29t 29 ON 460 14 tr 0031 unid 57 e mx vid 0303 @WAKR 23 OH 470	0625 WDSI 61 TN 475 0640 +WMAV 18 MS 425 (CBTP then S\000000000000000000000000000000000000
1948 WDSIt 61 TN 1952 WATL 36 GA 575 2003 WTCI 45 TN 475 2009 WGNX 46 GA 575	(Brfly snow free) 0329 WDLI 17 OH 480 0425 +WKEN 27 OH 510 0431 &WYTV 33 OH 510	0733 WTCT 45 TN 475 0746 +WCTE 22 TN 400 (CBTP then S/on) 0755 WATL 36 GA 575
2015 WCLPt 18 GA 2202 WKPI 22 KY 475	(Round TP w/ID) 0455 WUAB 43 OH 460	0802 WGNX 46 GA 575 0858 WCLP 18 GA 510

Jeff Kadet (continued)	20 tr 0620 W47AB 47 OH 415	26 tr 2100 WTVK 26 TN 475
	(Mansfield WOSU-34)	2220 WKPT 19 TN 515
19 tr 2140 KLRT 16 AR 410	0655 &WOUC 44 OH 475	
		(Ad under WRAU)
	(Round TP w/ID)	2231 =WSVN 47 VA 500
2233 WMAV 18 MS 425	0828 WRGTt 45 OH test	(S/off u / WRĀŪ)
20 tr 0031 WKCHt 43 TN	21 tr 0000 Clarinda IA 225	WMSYt 52 VA
0200 WMKW 30 TN 375	(56,58,60,64,66)	
	(50,50,00,64,66)	
(Ad under KDNL)	0427 &WUAB 43 OH 460	2300 W39AB 39 TN 510
0224 WBMGt 42 AL	0430 +WVIZ 25 OH 475	(Greenville WKPT-19)
0230 =unid ch 21 sse	0453 &WAKR 23 OH 470	27 tr 0141 =WBIR 10 TN 485
0258 @WAKR 23 OH 470	Also Detroit 20.	
		0457 <u>+WKBT</u> 8 WI <u>235</u>
	50,56, & 62. 400	(NSP WQAD briefly
(Muncie PTL)	0517 +WUTV 29 NY 620	off air. This is
0419 + <u>WDTN</u> 2 OH <u>340</u>	0537 CKCO42 42 ON 460	1 station that I
0424 +WTVN 6 OH 400	0600 CIII29 29 ON 460	
		thought I would
	0631 WINEO 45 OH 490	never get.)
(unid CB TP then	25 tr 1900 WRGT 45 OH 340	 -
S/on. // WOSU)	26 tr 1940 WTCI 45 TN 475	October 1984
0603 WSFJ 51 OH 425		
0000 mare 91 011 425	1945 WAFF 48 AL 455	1 gw 2000 <u>WIUM</u> 22 IL <u>2</u>

Virginia, North Carolina, and New York are new tropo states. WPTF-28 had a pretty decent signal for about five minutes, faded out, then reappeared about nine minutes later for about a minute. K13MN is my first VHF translator. It was heard on the only morning WHO-13 has ever been noted off the air. Washington, Iowa must be a terrible reception area. WHO-13 and KGAN-2 are usually pests here in Maccomb. K13MN is about 80 miles closer to both of them, and they translate KGAN onto channel 13. Try to figure that out.

Thanks to Fred and Bill Fahber for helping with translator ID's. Bill also explained why K65BY in Waterloo, Iowa is seen in Madison, Wisconsin and not here, an equal distance away. Their tranmitter is southwest of Waterloo and they are directional to the northeast. I have never even seen traces of them.

WKSO-29 on the 19th is the first time I have ever seen a Kentucky ETV station show local letters. They do give vocal ID's though. W39AB must have a heck of a transmitter sight. What's their erp? They're putting out a better signal to the west than WKYH-57. which hasn't been seen yet. The signal extractor is cut for ch 39 - maybe that helped.

The opening to Clarinda on the 21st helped me figure out what that KCCI-8 on channel 61 was last month. It was not K61AG, Unionville, Missouri which is listed in the Translator Guide, but rather K60AK (KETV- 7). (Unionville and Clarinda are practically the same heading from Macomb).

For some reason, when KETV signed-off, the translator 'grabbed' the next channel up, KCCI-8, and put it on channel 61. It just seems to grab the video, not the audio. In other words, when KETV-7 was on the air, there was no channel 61 evident, but when they turned their carrier off, the channel 61 appeared. My guess is that if there was a strong channel 7 input after KETV went off, the translator would have stayed on channel 60. KCCI also had heavy CCI this time, probably from KBGT. Since my local channel 8, WQAD, is NSP, it was interesting to observe this 'channel 8 window' from another area. Just to confirm this, I wrote to the Unionville City Clerk and got back a reply from Utility Consultants Inc. which said "These two relays (channels 59 and 61) are not still on the air. They have been off the air at least 6 to 8 years."

I also got another 'mystery translator' this month. This time it was KWCH-12 (video and audio) on channel 23 with the dish pointed due west. It makes no sense that they'd have a translator in that direction, about 175 miles north of Wichita. My guess is that it is a translator in southeastern Nebraska which is the culprit. Does KUON have a translator there? Any other ideas?

WIUM-22 began broadcasting on October 1. They are parallel to WJPT-14 and give dual ID's. The initial schedule is 1900-2230 Monday-Friday and 0800-1300 Saturdays. The CM High-Q variable trap pretty much cleans them off everything except channels 21 and 23, unless the dish is pointed right at them.

Total now at 465 stations. This does not include seven unid 'translators' from last

month and one from this month which are being put on hold. 73.

(Jeff, I believe your unid channel 23 seen translating KWCH-12 on the 19th was K23AA, Beatrice, Nebraska; a translator of KUON-12. Thanks for clearing up the mystery of the possible Unionville translator reception. It is nice to know that they are off and to get them removed from the translator list. It seems to me that K60AK was not properly shutting down. It is hard to imagine that an adjacent channel input would be strong enough to fool the translator input circuitry into thinking carrier was present. I have seen a number of Minnesota translators running with "wide open" inputs during the night even when no carriers were present - their presence only made noticeable by noise on the channel. Also, I doubt that K60AK moves to channel 61. The fact that it doesn't is borne out by your not hearing audio. What you are seeing is the bandpass of the input circuitry which is wide enough to pass the lower part of a strong channel 8 signal. fm)

JJe2 John Jefferson CA Pleasanton JJe3 John Jefferson AK Anchorage

JSm Joseph Smith NY Johnson City

Rick Sawford TX Burnett

RSt Raigh Strobel In Muncie

9St2 R. Steinberger MA Hudson

SCh Saul Chernos SN Burnt River

Bob Schweitzer AJ E. Brunswick

₩ Lovington CR Snoutt

FL Lake Worth CT Enfield

PA Havertown

TN Bolivar

(IN Cornwall

NT Coral Harbour

99 Benton

JPi Jim Pizzi

JP11 J18 P1221

*Bu Kike Buga; RSa

Ken Simon

Steve west

Vernon Eaton

Min Hepburn

affe2 Her Hepburn

Tim McVey

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RSc

THE

Ψa

Wie:



FM STATISTICS

FM SCOREBOARD

Deadline: the 5th NOVEMBER 1984

- P4	31611	STICS																
RANK	MAKE		L80	ATION		TOTAL	88-9č	E5	≭s	AiJ	_SA	24	XX	2 0	7PL	YB	AS OF:	
				SORT I	3Y TO	ſAL.												
1	ANDY	BOLIN	IL	CHARLESTON		2059	331	799	183	286	45+	7	5	3	51	٤ı	09/04/81	
ē	DANNY	BUNTIN	9K	STILLWATER		1554	235	896	3	8	48+	5	9	5	65	74	09/02/83	
3	BRLICE	ELVING	40	DULUTH		1495	213	1231	8	7	44+	3	1	9	49	48	97/26/84	
4	JOHN	EBELING	MN	BLOOMINGTON		1428	226	565	39	79	47+	4	5	Ð	57	52	01/03/84	
5	PAT	DYER	Ťχ	SAN ANTONIO		1421	181	::56	23		41+	3	6	3	54	70	11/15/80	
6	MIKE	DALTON	FL	CLEARWATER		1283	284	692	8	8	42+	3	12	12	70	72	85/01/53	
7	RALPH	STROBEL	IN	MUNCIE		1230	325	223	43	4	⊧ 38÷	3	1	8	43	72	89/25/84	
8	JIM	PIZZI		LOVINGTON		1223	:79	983	17	9	38	5	15	3	61	81	88/82/84	
9	FRED	NORDQUIST		CLAY		:209	:95	584	28	57	39+	5	£	2	47	59	37/34/84	
18	MIKE	BUGA!		ENFIELD		1197	158	629	7	21	37+	3	9	1	42	74	12/05/83	
11	FRED	HCCGRMACK		DES LACS		1898	148	881	25	87	44+	5	4	3	55	65	66/28/84	
12	PETER	SOMOTZKY		SUELPH		1088	167	500	112	6	38+	7	a	1	47	71	12/22/82	
	TIM	MCVEY		BOLIVAR		1075	151	392	1	1	42	5	:1	:	59	77	07/01/83	
13		FELR		S. PLAINFIELD		1062	218	589	ž	9	37+	5		3	46	68	96/22/84	
14	JOSEPH			DUNKIRK		1911	149	519	8	á	48	5	2	9	48	58	08/08/82	
15	908	SEYBOLD				981	248	243	33	19	41+	7	8	2	51	59	08/23/84	
16	DAVID	NIEMAN		AKRON		358	196	565	3	48	47+	5	2	9	54	74	86/28/84	
17	FRED	*CCORMACK		FARGO				452		₩.	39+	3	5	6	54	71	11/29/77	
18	RON	LEBLANC	_	MARRERO		543	:29	216	2 16	8	35+	5	2	3	44	59	84/26/84	
19	HANK	HOLBROOK		CHEVY CHASE	*	814	202			-	-	3	9	3	36	58	63/38/36	
29	ROGER	WINSOR	-	HOBAR!		807	:60	211	Ø.	€	32	7	ě	2	45	77	€4/16/63	
21	SAUL	CHERNOS		BURNT RIVER		758	114	414	48	78	37+			_				
22	johk	JEFFERSON		PLEPSANTON		765	158	417	129	8	24	4	4	ě		57	88/19/84	
23	VERNON	EATON		BENTON		724	148	173	1	3	42	5	8	9	55	77	98/39/81	
24	R.E.	LY ONS	_	BELLEATRE BLU	FFS	764	268	420	2	9		9	9	9	0	75	98/01/78	
ක	DAVE	BRUNFIELD	_	MUNICIE		658	141	43	1	9	28	1	9	0	29	78	11/30/81	
26		STEINBERGER		HUDSON		540	133	286	12	6	35+	4	8	0	46	58	89/22/84	
27	DANIEL	DETTING		BROOMALL		639	144	216	4	3	32+	5	0	9	38	77	11/92/83	
28	JOHN	EBELING		PROSIT		609	111	319	2	5	41+	7	6	9	49	75	01/03/84	
29	JEFF	KADET		MACOMB		689	114	55	4	9	32+	3	0	ð	36		89/28/83	
30	JOSEPH	SMITH	NY	JOHNSON CITY		685	86	165	0	8	34+	5	9	1	38	71	84/28/84	
31	KEN	SIMON	FL	LAKE WORTH		528	145	429	9	8	34+	2	5	ð			8 9/1 8 /83	
32	DOUG	EVERITT	DК	ENID		512	80	299	:6	9	32+	4	6	8			93/17/79	
33	ALAN	MICHALEK	MA	SPRINGFIELD		485	56	256	9	€	36	4	8	-			8 7/25/84	
34	JIM	AYERS	TN	HURFREESBORD		448	73	18	1	9	27	:	1	0	_		02/12/82	
35	ROBERT	SOWINSKI	OH	ST. CLAIRSVILL	Ε	437	58	70	1	9	27+	2	9	i	31	77	11/25/78	
36	PAT	DURKIN	WI	MEST ALLIS		428	89	81	0	0	32+	3	•	. 6	36	78	86/29/64	
37	DAVID	ODELL	AR	LITTLE ROCK		367	39	112	0		48+	4	1	6	46	88	89/23/82	
38	THOMPS	YINGLING	#D	BALTIMORE +		354	54	131	1	9		9			. 9	71	94/98/84	
39	TED	FLEISCHAKER		LOUSIVILLE		349	46	57	e	8	29	4	1	e	34	74	98/96/77	
49	PAT	DURKIN		WOODBURY		329	51	97	2	0	31	1	1	e	33	- 51	98/29/84	
41	MIKE	HOGAN				315	62	32		9	24	1	3		25	75	88/16/84	
42	PALL	TRASKA		BUFFALO		293	113	86	2	9	31+	3		1	36	76	10/29/60	
43	ERIC	FADER		BRYSIDE		257	53	:5	8	9	16+	1	8		19	74	98/24/79	
44	BOB	SCHWEITZER		E. BRUNSHICK		245	75	7	0	0	11+	9	•	1	12	77	26/12/64	
45	PALL	MOUNT	N.J	TEANEDK		216	26	28	8	ð	214	1	8		23	79	84/82/94	
46	ROBERT	ROSS		LONDON		284	43	19		8	14) (15	76	62/61/63	
47	RONALD	PLROUE		BYRON		188	3	95	9	ē	28+	ě					86/38/84	
48	FRANK	WHEELER		ERIE		148	17	3	ě	ě	7	1			_		16/19/83	
49				NIAGARA FALLS	2	144	51	35		8	18+	1	-					
		HEPBURN			,	128	16	2	ě	ě	9+	ė	_					
58	GUS	MANCUSO		CHEVERLY			33	8	9	8	37 94	ě	_					
51 52	BOB	SCHWEITZER	_	OLD BRIDGE		125 56	33 5	55 55		8	-	8						
	ALL LAN	4 HEPBURN		CORAL HARBOU!														

*=VERIFIED

COLUMN DEFINITIONS are as follows: Total=Total number of FM stations logged. (Frec. changes count as a station, call letter changes DO NOT count. Also count a station only once regardless if logged by different propagation modes.) 88-92=011 stations logged from 88.8 to 91.99 Mnz. Es=Total number of stations logged via E-skip. MS=Total by meteor scatter. AusTotal via Rumora uSA=Total number of states and the '+' = Washington, DC. CN=Number of Canadian provinces logged. YX=Number of 'exican states logged. FD=Number of foreign countries, but not Canada or Mexico. "PU='total number of political units'=sum of USA CN FX and FO. Y8=The year you began DX:ng

FM STATISTICS

• • • •	J				ST	'AT	ES	ST	AT:	3				
STATE	USA + -DXER	_	STATE	# -DXER	# -DXER	STATE	# -DXER	# -DXER	STATE	# -DXER	# -DXER	STATE	# -DXER	# -DXER
AL.	54-TMc	46-JEb	6A	60-JPi	52-0Bu	MD	45-6Ma	42-DGe	194	33-JJe2	31-F4c	SD	25-F*c	28Mc2
AH.	11-JJe3	8 None	HI	0-NONE	6-NONE	MA	89-RSt2	69-AMi	NY	156-FNo	132~JSm	TN.	93-JAy	86-7 * C
AZ	29-FMc	27~JJe2	ID	22-08u	13-RSa	ĦΙ	139-FNe	115-RSt	\vc	66~BE12	63-DBu	7.X	211- RSa	143-FMc
AR	65-DCd	61-VEa	IL	149-RSt	115-BE12	HN	128-JEb	103-BE12	ND.	23-FMc	24-FMc2	υŢ	19-DBu	17-RSa
CA	258-JJe2	182-FMc	IN	146-RSt	112-DBr	MS	64-THC	36-FNo	OH.	183-RSt	177 -F Me	V!	12-RSt2	
CO	54-JJe2	44-TMC	IA	98-JEb	69-BE12	HT	25-JPi	15-JJe2	OK	82-DBu	48-FNo	VA	45-DBL	41-JE0
203	53-JJe2	44-TMc	KS	66-DBu	44-FNo	ΨE	41-JJe2	24-JEb	OR	30-JPi	18-FMc	₩A	26-J Je 2	
CT	43-MBu	39-AM1	KY	68-RSt	37-JPi	NV	15-FMc	14-DBu	PA	128-DNi	181-JFe	WV	33-F4e	29-RSt
DE	11-Side	10-00e	LA	53-RSa	45-BE12	NH.	22-RSt2	12-AH1	RI	11-RSt2	8−#Bu	#I	123-BE12	116-JEb
FL	122- DB u	84-FNc	ΗE	30-RSt2	10-JEb	N.T	68-JFe	55-RSc	i sc	38-DBu	35-JEo	WY DC	15-JJe2 13-Sile	13-TMc 13-DNi
	CANAI	DA					FORE	GN						
PROV	# -DXER	# -DXER	PROV	# -DXER	# -DXER	COUNTR	y # −D	XER # -D	XER	KEY T	O STATS DX	ER INIT	TALS/NAME	-LOCATION
									[AMi	Alan Asch	81 8 %	MA Soring	field
AB	19-JJe2	15-JPi	NS	8-9Ch	6-JP1	CUBA	1	-KSi 1	-JFe	BE12	Bruce Elv	170	MN Duluth	
BC	17-JJ e 2	7-JE62	DN	78-DN i	68-JEb2	BERMU			-DN1	DBr	Dave Brus		IN Funcie	
MB	15-FMc	1 0 Wie 2	PE	2-JFe	1 -Wle 2	SATE	MALA 1	-KSi 1	-JP1	DBu	Danny Bur		OK Stillm	ater
NB	3-FMe	3-95t2	PQ	19 -FN o	18-RSt2	JAMAI			-THC	Dhi	Davio Nie		NY Aikron	
NF	9-FNo	8-DNi	SK	8-FMc	7-DNi	PLIERT	O RICO 1		-JFe	DOc	David O'D		AR Little	
						NHT	1	-Wie2 8	-NONE_	DGe	Daniel De		PA Brooma	
	MEXI	CO								°4c	Free McCo		ND Des La	25
STATE	# -DXE	R # ∽DXER	STATE	E # -DX	ER # -DXE	R STA	TE # -1	XER # -E	XER	P4c2 FMe	Fred McCo		ND Fargo OH Toledo	
AGU	1-JP1	0-NONE	JAL	12-71	lc 9-VEa	. -	IN 2-J	Je2 6-4	OVE	FNo	Fred Nord		NY Clay	
BCN	16-FMc		1	1-JP			P 2-1		ONE	6Ma	Bus Mancu		*0 Chever	.y
CAM	1-JPi	8-NONE		2-JP			ON 1-F		Bu	JAy	Jie Ayers		N Ferfre	•
CHI	6-JPi		MOR				AB 2-1			JEb	John Ebel		MN Bloomi	
CDA	6-JPi		NE.	1-39			AM 2-3		Pi1	JEp2	John Ebel	•	MN Prosit	•
DF	21-THe		DAX	1-JF			ÆR 6-	Pi 5-1	Mc	JFe	Josean Fe		M S.Plan	nfield

The stats must represent the total number of states/provinces logged from a single specified DXer's location. 1st & 2nd place DXers are listed.

6-JPi

4-TMc

YUC 2-JP1 1-JAy

records since 1977 to encourage those who need to update their scores, and to remind us of some good scores of DXers who may be no longer in the club, etc. This will be a one shot listing, unless there is an overwhelming response in favor of it.

I opened up the FM Scoreboard to include all

Personal Best FM DX Records by Patrick Durkin are as follows:

From West Allis, WI - most distant Es WWWL-93.9 FL Miami Beach Tr WAMU-88.5 DC Washington 640 mi. No MS or Au logged.

From Woodbury, MN - most distant Es WINS-94.9 FL Miami Beach 1514 mi. Tr WST0-96.1 KY Owensboro 587 mi. MS WYYD-96.1 NC Raleigh 991 mi.

Send in your "Personal Best" FM DX loggings for each propagation mode, and I'll include them here in this column... 73 Fred.



Bruce F. Elving, Pn.D., Editor 4515 Avenue "E" Kearney NE 68847-2610

New FM Stations & FM Translators

AK Belta Junction 93.5 3000 h.v: 300' AK Kodiak K272BW 102.3 (KGTL 103.5 Homer, KGTL isted as having an SCA of unknown format) AK Nenana K216AN *91.1 (KUAC 104.7 Fairbanks) AK Seward 103.1 3000 h,v; 1490' AZ Camp Verde K2728V 102.3 (KDKB 93.3 Mesa-Phoenix [dual-city ID]) CV is NE Bumblebee

K296CT 107.1 (KQYT 95.5 Phoenix) AZ Dinnehotso (36-21-15; 109-49-45) K206AH *89.1 (KTOB 89.7 Remail N.M., mono; KTDB not deleted) AZ Red Rock (36-27-40: 109-05-44) K210AD *89.9 (KTDB translator)

AR Marion KETH 107.1 3000 h.v: 300' (sonville AR) AR West Memphis K221BS 92.1 (KEZ0 100.3 Jack-/ CA Gesquet K206AE *89.1 (KSOR 90.1 Ashland OR) CA Desert Center KORS 102.3 58 h.v. 1965' CO Avon (between Vail and Eagle) 103.1 3000h,v;-235' [FacieCO) CO Hayden 95.9 630 h.v: 600' CO Vail and West Vail K237BL 95.3 (KGMJ 101.5/ FL Fernandina Beach *91.7 3000 h,v; 290', g Baptist FL Fort Myers W205AD *88.9 (WWFR 91.7 Okeechobee) FL Orlando W203AC *88.5 (WWFR) FL Juniter W265AF 100.9 (WTMI 93.1 Miami) FI. Palm Beach W269AM 101.7 (WTMI; see "deletions") FL Santa Rosa Beach (just E. Destin) 102.3 3000 h.v;

300' FJ Vero Reach W232AB 94.3 (WTM) xltr.) GA Alma 95.9 3000 h,v; 300' [*90.5 Columbus GA) GA Baconton, Sylvester, Albany W206AA *89.1 (WFRC) GA Homerville, Quitman, Valdosta W202AG *88.3 GA Waycross *91.5 80000 h,v; 920' GA Public TV ID Caldwell KCID-Fix 107.1 \$, k, 3000 h,v; 300' on air! ID Chubbuck 98.3 150 h.v: 1350' Stations

IL Joliet WOUG *91.9 50000 h.v; 500' \$, g, Family / IA Brooklyn 99.3 3000 h,v; 300' KY Wickliffe 95.9 3000 h,v; 300', causing KHLS Blythe

ville AR to finally move from 96.1 to 96.3 [Columbia] MS Woodville 95.9 3000 h,v; 300' MO Jefferson City K272BR 1023 (KFMZ 98.3 / MO Piedmont 104.9 3000 h,v; 300' MT Missoula 102.5 25000 h,v; 210'

NE Superior K269CU 107.1 (KEZH 101.5 Hastings NE) NM Adobe Community (36-41-49; 108-10-46) K215AS *90.9 KTDB 89.7 Raman NM translator

NM Caballo K240BE 95.9 (KMLW 97.7 Belen NM) NM Ferminaton K276CI *103.1 (KTDB) NM Gallup K269CO *101.7 (KTDB) NM Grants K272BU *1023 (KTDB) (KTDB) NM Pine Hill (34-53-31; 108-25-00) K265BW *100.9 / NM Shiprock, Cudel (36-48-40; 108-40-49) K220AX

NC Robbinsville WM QI 95.9 3000 h,v; 300' OH Wooster W213AC *90.5 (WOSU-FM 89.7 Columbus) OK Tulsa K232BP 94.3 (KZBS 98.9 Oklahoma City) OR Brookings K216AK *91.1 (KSOR 90.1 Ashland) OR La Pine K206AF *89.1. reglaces K220AE Chemuit

91.9-KSOR 90.1 Ashland OR translator) OR Merrill (Malin and Tulelake CA) K240- *88 7(KSOR) PA Bloomsburg *91.1 1000 (h);-73' B. Univ. of PA PA Clarion WM QP 92.7 3000 h,v; 300'

PA Lovalsock (NE of Williamsport) W224AI 92.7 (WJKR 103.9 Muncy PA) [Lewistown PA xltr.) MA Mifflintown W269AL 101.7 (WMRF-FM 95.9/ SC Florence W221AJ 92 1 (WPGO 106.3 ShallotteNC) SC Johnston WTQY 92.7 2500 h,v; 330" SC Kingstree W205AC *88.9 (WMHK 89.7 Columbia) TX Midland K232BG 94.3 primary station unknown TX Texarkana K292CQ 106.3 (KQZY 105.3 Dallas) TX N Odessa, S. Odessa K240AY 95.9 (pri. unknown)

TX San Angelo 107.5 100000 h,v; 425' [Ramah NM] TX San Saba 96.7 3000 h.v: 300' [*91.1 KTDR / UT Aneth, Red Mesa (37-11-43; 109-09-18) K216AM/

UT St. George K285CD 104.9 (KILA 95.5 / WA Aberdeen K296CV 107.1 (KPDQ-Flm

93.7 Portland OR translator) [92.7 Omak) AR Fayetteville p 82 KUAF *88.9 \$missing WA Bridgeport K252BV 98.3 (KOMW-Fm / CA mcCloud K213AE µ 83 list as 90.5, not WA Othello K221BU 92.1 (KGDN 95.9Ephrata) 90.3 WA Royal City K221BT 92.1 (" " WV Kingwood 96.7 305 h,v; 800'-initial

decision, subject to reversal [mono. Y-100 stogan missing PR Roosevelt Roads AFCN *91.1 1000 rk, / CT Middletown WIHS *104.9 p. 138,

Still alive?

CA Tahoe City K265AL, license renewed by FCC, which tends to refute earlier report this translator is deleted. Most likely, it is off the air, with KHTX holding the license to decide what to do with it ultimately. I will list it as deleted until I hear differently.

Deletions

AR Texarkana K2928Z 106.3 (although listed as naving its license renewed) - assumed to be deleted and replaced by K292CQ 106.3 Tevarkana TX (see New FM Stations)

Ft West Palm Reach W272AR 102 3 (sesume replaced by W269AM 101,7 Palm Beach) OR Chemult K220AE 91.9 (replaced by K206AF 89.1 La Pine OR)

WY Lyman K292AM 106.3, not heard by reporter in area; replaced by KOTB 106.3 Evanston WY

PR Levittown WJDZ *88.9, WEYA 88.9 Ponce serves San Juan "as a local," so WJDZ could not exist on 88.9. WEUC's format is easy listening music (b)

Off the Air

CT Cornwall WKKA *90.9, "maybe on in 12-24 months'

CT Germantown (Danbury) WFMEt 93.5, to go to 90.1 because of WFAR Danbury93.3 ID Kellogg KCJF 104.3

ID Lewiston KJLC *97.7, nobody at college seems to know anything about them (I have written Lewis and Clark College and so far no reply); listed on NTIS microfiche

as a construction permit ME Biddeford WBSF *91.7-not heard in over

ME Springvale WN CY *91.1 (seeking, or sought *103.9)-hasn't been heard in 'several years'

WY Rawlins K288BG 105.5 WY Saratoga KWND 99.9

\$tereo Stations

ID Pocatello KSEI-FM 102.5 ID New Plymouth KIZN 93.1 PA Somerset WVSC-FM 97.7, rock TX Farwell KLZK 98.3, r. some "ABC" net. TX Monahans KGEE99.9 k [ountry] muisc UT Manti KMXU 105.1 b, "FM-105" (also affects Fillmore 99.3 and Richfield 99.3xltrs) WI Spencer WMJA 92.1 r, came on 9-21-84 WY Laramie KCGY 95.1 k, Y-106, dual-city identification with Chevenne

PQ La Pocatiere CHGB-FM 107.1, classical Fluistakes-9th ed. Flu Atlas errors

AL Guntersville p. 125, WTWX 95.9 (not WTXN)

[Henderson NV xltr.) AL Alexander City p. 140 WRFS-FM 106.1 \$ symbol missing

AL Thomasville p. 123 WJDB-FM 95.3 add\$

CA Stockton KSJC *89.5 p 84 add \$ / FL Fort Lauderdale WHYI 100.7 p 132

delete \$ symbol (station is mono) FL Miami p 143 WQBA-FM 107.5 slogan is

"Suner O" .nmuloa 2 FL Tampa p. 115 *90.5 stray "9" in / GA Blairsvilla p. 29 WPPLt 97.7 (not 96.7)

HI Hilo p. 127 KFSH 97.1 add \$ IN Columbus p. 88 WWWY 104.9 primary coverage missing (15), slogan remains Tri-WY (not Fiv-105, as I heard when I drove through the area in July) ((KZRQ) 1D Pocatello p. 87 KZBQ-FM 93.7 (not / KS Goodland p. 90 *91.7 KANZ 91.1t (not

91 15) KS Ottawa p. 90 KKKX 95.7 (not KKXK) KY Somerset WDCL *89.9 p 90 P network (symbol missing

LA Baton Rouge p. 115 WBRH *90.3 \$/ LA Jennings KJEF-FM 92.7 add \$ to p. 119 LA Shreveport KSCL p. 91 (not WSCL) 91.3 LA Ville Platte KVPI-FM µ 121, 93.5 add\$ MD Annapolis p. 41"Anna" printed oppos-(WSOX)

ite WHES 99.1 MA West Yarmouth p 17 WRZE 94.9 (not/ MA Worcester p 118 WAYW 91.9 missing (470', 500 h.v. directional antenna)

Mi Gladwyn p 136 VrGmm 103.1 add \$ MI Owosso p. 93 misspelled WI Warren WPHS p. 113 *89.1 add \$ [p. 93 MN Winona KSMR *92.5 add K network / MS Hattiesburg p. 137 WHERE 103.7 no

Y-104 slogan (Y-104 is the slogan of WHSY-Flm 104.5 Hattiesburg [*90.1) MS Oxford WMAV-FM u. 94 *90.3 (not / MO Ballwin KYMC *89.7 remove \$ symbol

p. 94 (is now monaural) MT Stanford p. 95 104.9 KLCM 95.9t(not 95.9 thped without the "t") [NE) NH Manchester p. 116 WANH *90.7 (not NJ New Brunswick p. 129 Wrid GQ 98.3

(not WMCQ) NM Counselor map p. 63 misspelled Nim Santa Fe p. 96 KNim Q 105.9 r (format missina)

NY Walton W. DLA-Fm p. 118 92.1 (going to 94.9), not WDAL-FM.

NC Asheville WUNF-FM (now WCQS) L 98 no stereo-remove the \$ symbol NC Burlington p. 27 V-PCM 101.1 decimal

point in frequency missing NC Columbia p. 140 Wm DK 105.7 \$ (symbol missing symbol missing NC Greensbaro p. 141 WUAG 106.1 \$ / NC Greenville p. 27 on map twice NC Wilmington p. 133 WV-QQ 100.9 (not

WWQC+) OH Columbus WRMZ p. 131 50000, not / OK Alva p. 99 KXLS 99.7 has extra \$ symbol

OK Edmond p. 79 KCSC *90.1 coverages missing (34, 78) [symbol missing OK Pryor p. 138 KMYZ-Fm 104.5 \$/

FCC-FM

PA Mechanicsburg WKCD p. 121 93,5 net is S. [match WPGM-FM 96.7 PA Williamsport p. 101 WPGMt 101.7 ob. to / SD Reliance-Pierre p. 116 KTSD-FM listing is missing, \$, 1460 100000 h.v; P

[map SD Sloux Falls p. 52 KBBP *88.1 missing from / TX Alvin p. 103 KACC *91.3 \$ symbol missing TX Marshall KBWC p. 103 *91.1 \$ " TX Silsbee KWDX p. 124 101.7\$ " " TX Tyler a. 104 KNUE 101.5 missing, is \$tereo. k, 33, 73 †M

UT Logan p. 74 KVFM 94.5 (not KMXL) VT Bullington WVPS p. 143 107.9 1/4 printed instead of "P"

VA Norton WNVA-Fm 106.3 p. 105 remove \$ / WA Yakima p. 73, dot locating town missing AT Edmonton p. 127 CIRK 97.3 no D network (D is actually for directional antenna)

AT Spirit River p. 108 CKUA-FM12 *99.3 (not just CKUA-FM) NF Shekatshit p. 109 is 94.1, not 89.9 ON Peterborough CBBP 103.9 p. 137 add height

of 740' fon p. 111. PQ Sherbrooke p. 79 CITE 1 94.5 (not 96.1), and/ Slogans, Non! Ds in Use PQ Sherbrooke (not PS) p. 122 CITE-1 94.5 MEXICO Ciudad Juarez p. 111 XHH 100,7 is

Facilities Changes Granted

missing, \$, k, 50000

AK Kodiak K296- 107.1 (from K292BN 107.1), still gives ID as K292BN. AZ Payson KKJJ 103.9 1800 h.v: 395 AR Blytheville KHLS 96.3 445' (100000 h.v) CA Coachella KCHV 93.7 26500 h v: 640' CA Los Angeles KKGO 105.1 17600 h.v. 2890' CO E. Salt Creek K249BX 97.7 (from K261AL100 MO West Plains KWPM-FM 93.9 Stereo-94 100.1)

CT Middlefield WPKT *90.5 (stays there; move to ND Jamestown KQDJ 95.5 J-Country-J95, \$, k, Meriden was incorrect, although transmitter is in Meriden)

CT Westport WEBE 107.9 385' (50000 h,v, direc.) RI Westerly WERI-FM 103.7 RI-104 FL Orlando WHOO-FM 96.5 1560' (98000 h.v) GA Blakely WBBK-FM 93.5 330' (3000 h.v) ID Burley KMVC 99.9 (from 98.3) 25000 h,v;

2440'; middle of the road (m) music ID Rexburg KRIC *100.5 75000 h,v; 400', \$ IL Champaign WEFT *90.1 920 h; 130' IL Marion WDDD-FM 107.3 50000 h.v: 500' IL Urbana V/KIO 103.9 staying at 3000 h,v; 145' IN Petersburg WFOV 102,3 320' (3000 h,v) KS Kansas City KUDL 98.1 1150' (100000 h.v) KS Marysville KNDY-FM 103.1 290' (3000 h v) KS Winfield KWKS 94.3 (from 105.5) 1650 h,v;

395 MI Bay City WHNN 96.1 50000 h,v; 725' MI Lansing WITL-FM 100.7 28000 h,v; 625' NV Sparks KROY 92.1 3000 h.v; -385' NJ Atlantic City WMGM 103.7 50000 h,v; 350' NY New Rochelle WRTN 93.5 2950 h,v (330') NY Riverhead WRCN-FM 103.9 1500 h.v (470') NC Kannapolis WJZR 99.7 100000 h.v (330') OH Celina WKKI 94 3 1200 h v: 450'

OH Tiffin WTTF-FM 103.7 50000 h.v: 430'-now this station should finally have some DXability! OR Cave Junction K214AR *90.7 (from K220AB

91.9). OR Chiloguin K219AP *91.7 (from K217AE 91.3. OR Klamath Falls KKRB 106.9 (from 107.1) 43000 h,v; 1125' [88.9) OR Myrtle Point K220AJ *91.9 (from K205AC/ OR Roseburg K213AC *90.5 (from K208AD89.5) FL Macclenny WBKF 92.1 K-92 PA Emporium WQKY 92.7 3000 h,v; 300' PA Pittsburgh WPTS *98.5 (from 88.1), on air in

\$tereo, p, 19 watts h,v TN Jackson WK/R 104.1 655' (100000 h.v)

PA Greensburg WOKU p. 142 107.1 add \$symbol TN Nashville WLAC-FM 105.9 1230' (100000h.v) TX Taylor KR GT 92.1 La Consentida TX Amarillo KQIZ-FW 93.1 100000 h.v: 700' TX Laredo KHQY *88.1 285' (3000 h.v) TX Waco KNFO 95.5 100000 h. 96000v: 1060' UT Kanab KKHK 101.1 785' (99000 h,v) VA Salem W.I.I.M 93.5 97' (3000 h.v)

Vil Two Rivers WOTC 102.3 (from Manitowoccitizens objected to move, so the station decided not to; dual ID with Wanitowoc, still Q-102, no network, no SCA confirmed WY Riverton 93.1 885' (100000 h.v) PR Fort Allen AFCN *90.5 50 w. no stereo PR Ramey Air Force Base AFCN *90.5 50, mono KY hiddlesboro WMIK-FM 92.7 K-92

PR Roosevelt Roads AFCN *90.5 (not 92.9) 1000 watts. \$tereo PR Viegues Island AFCN *89.5 50 watts, no \$ PR San Juan (Fort Buchanan) AFCN *91.9 (not

103.1), 50 watts, monophonic On Air with Higher Power, DX ready!

IL Chicago WLUW *88.7 100 h. 92 v: 220' now rock, no \$ (delete \$ listing), "Chicago's Hit Line (strict)

GA La Grange WJYA-FM 104.1 Joy GA Macon WPEZ 107.9 Easy Hits 108, still rm GA Savannah WJCL-FM 96.5 no nonID (was "The TX Beaumont KQXY 94.1 Beautiful Q

Gentle Giant') ID Boise KJOT 105.1 J-105 IL Arlington Heights WSEX 92.7 92.7--Fin IL Kankakee WBYG 99.9 FM America (strict) IL Paxton WPXN 104.9 Stereo-105, mr, no net. KS Phillipsburg KQMA 92.5 Q-93, KY Lexington WLAP-FM 94.5 FM-94% MO Harrisonville KCFX 100.7 Stereo-101 NE Omaha KEEM 96 1 Lite-96 (strict) mr on air after having construction permit several

SD Sioux Falls KPAT 97.3 no non! D; always used with call letters, no SCA (open carrier only) UT Salt Lake City KLCY-Flm 94.1 Classy 94 Flm WI Oshkosh WAHC 96.7 Super Hit 97 WI Baraboo-Madison WN LT 94.9 95-Light FM

WY Laramie KR QU 102.9 103-0. Now, a listing of nonIDs compiled by Nick Lombardi, Atlanta GA, who compared two issues of Radiophiles, by Peter Nolan and used with permission, with the 1984 issue of the FN Atlas and Station Directory. This listing is by frequency, and excluded from what Nick sent are some stations still on the list which have quit using their nonIDs. Thus, KQLS 100.3 Colby KS was given as using "KX-100," which were used under former call letters. KQLS has no nonID. This list and others in this colum and the Atlas I expect represent the high-water mark in nonl Ds. with many stations dropping their nonID and always using call letters, or using a slogan with calls, which does not count as a "nonID." Do check this list and the Atlas and notify about stations that no longer qualify as nonl Ders. NJ Newark WRGO *88.3 Jazz-88 NY Buffalo WRED *88 7 Jazz-88 (not Ffs-88) TX Houston KTSU *90.9 Choice Fly

MO Trenton KTTN-FM 92.1 Stereo-92 OK Broken Arrow KELI-Flm 92.1 92-K

ID Boise KBBK 923 Manic-92 (not Rock-92) MD Baltimore V. YST-FW 92.3 Your Star (not 92-Star)

November, 1984

NV Las Vegas KOMP 92.3 FM-92 Rock CT Waterbury WWYZ 92.5 YZ-92 (YZ) FL Key West WFYN 92.5 Y-92 MN Golden Valley KQRS-Fm 92.5 KQ-92 MO Joplin KSYN 92,5 92-Rock (not Kiss-92) PA Philadelphia WXTU 92.5 92-Fm

IN Kakama Vv ZWZ 92.7 Vv Z-93 (not Z-93) MS Cleveland WQAZ 92.7 Z-93 TN Nashville WZEZ 92.9 EZ-92 (not 93-FM) OH Cleveland WZAK 93.1 Fm-93 (not \$-93) TX El Paso KAMZ 93.1 93-Z LA New Orleans WQUE-Flw 93.3 Q-93 NM Albuquerque KOB-FM 93.3 Sunny AL Butler WQGL 93.5 Q-93 CA Redondo Beach KFOX 93.5 K-Fox

VA Salem WJL# 53.5 J-93 LA Shreveport KMBQ 93.7 93-FM-Q (not Q-93) MO St. Louis KSD 93.7 KS94 Hi Honolulu KlnAl 93.9 My Rock 94 (not K-My) TX Corpus Christi KEXX 93.9 Classy-93 (X-Fivi) NM Albuquerque KWXL 94.1 94-Rock TX Fort Worth KESS 94.1 La Fabulosa WA Seattle KimPS-Flm 94.1 Country-94-Flm (was/ Cumpass) (Country)

AR Rogers KAhi O-Fhi 94.3 K-94 (was K-mo

CA Jackson KNGT 94.3 Valley-94 (was 94-Fm)

F1 Lake City WOPD 94.3 94-0 HI makawao, maui KVIB 94.3 Country-94 KY Jenkins WIFX-FM 94.3 Foxv-94 MD Salisbury WICO-Fln 94.3 Country-94 NM Alamogordo KKEE 94.3 Flv-94 TN Oak Ridge WETQ 94.3 Q-94 IA Fort Dodge KKEZ 94.5 EZ-94 KY Lexington WLAP-FM 94.5 FM-94½ (not Ve/ MN St. Paul KSTP-Fm 94.5 Sunny (not KS-95) ND Bizmarck KODY 94.5 KO-94 (not QD-94) TX Harlingen KELT 94.5 Country Class (FM-95) TX Lubback KFWX-FW 94.5 94=Back TX San Angelo KIXY 94.7 Kicksie (not Y-95) MT Missoula KYSS 94.9 Kiss OH Fairfield WLLT 94.9 W-Lite TN Greenville WIKQ 94.9 KQ-95 TX Laredo KOYE 94,9 K-95 AL Prattville W Q IM 95.3 Magic-95 MS Carinth WADI 95,3 1-95 NV Elko KRJC 95.3 Country-95

NM Grants KLLT 95.3 K-Life WA Ellensburg KXLE-Fin 95.3 K-95 WV Elkins WELK 95.3 K-95 UT Ogden KJQN-FM 95.5 KJQ IN Wabash WKUZ 95,9 Z-95 OH Archbold WHFD 95.9 FM-96

PA Sharpsville WMGZ-FM 95.9 Magic-96 AZ Tucson KLPX 96.1 96-Rock IN Richmond WQLK 96.1 K-96 (not 96-FM) UT Provo KFinY 96.1 K-96

GA Albany WJIZ 96.3 Z-96 TN Murfreesboro WZKS 96.3 Kiss-96 OH Akron WKDD 96.5 96-FM LA Morgan City KFXY 96.7 Y-96 (not Foxy) MS Columbia WFFF-FM 96.7 Love-96

SC Cayce WZLD 96.7 Z-96

TX Palestine KLIS 96.7 96-K KY Paducah WDDJ 96.9 Rock-97 (not Double J) PQ Verdun CKOI 96.9 I-97 (not C'est Quoi) UT Salt Lake City KISN 97.1 Kissin'

NM Santa Fe KAFE-Fm 97.3 K-97 (not FM-97)

HI Handluly KPOI 97.5 98-Rock 11 Rockford WZO K 97.5 Z-97 (not 97-ZOK) MS Oxford WOOR 97.5 Country-98. k OH Akron WAEZ 97.5 EZ-97 TX El Paso KYSR 97.5 KYS (not Kiss Radio) WV Charleston WQBE-FM 97.5 Q-97 [QR-FM) ON St. Catharines CJQR 97.7 QR-Country (not / OR Eugene KUGN-FM 97.9 98 Country Stereo (not FM-98) MA New Bedford WMYS 98.1 FM-98 (not / OK Lawton KRLG 98.1 G-98 (not 98-FM) AZ Prescott KNOT-FM 98.3 FM-98 NJ New Brunswick WMGQ 98.3 Magic-FM-98 WV Ripley WCEF 98.3 C-98 MS Tupela WZLQ 98.5 Z-99 (not The Q) TX Dallas KLUV 98.7 Love-99 VA Norfolk WNOR-FM 98.7 FM-99 (not Rock-99) CA Dinuba KOJY 98.9 K-Joy CA Riverside KGGI 99.1 K-99.1 CT New Haven WPLR 99.1 99-Rock TX Houston KODA 99.1 Coda Lite VA Roannke WSLO 99.1 Magic-99 (not Q-99) ID Mountain Home KOK7 99 3 KO-99 (ZND) Mi Zeeland WZND 99.3 Country-99 (not Super-) WI Wassun WGGQ 99.3 qq.n BC Vancouver CFOX 99.3 C-Fox (not FM-99) Apple)

IN Greenfield WZPL 99.5 Indy's Apple (not 99%-NM Albuquerque KZZX 99.5 Z-99 (not 99-FM) TX San Antonio KISS 99.5 Kiss (Kiss-99) FL Boca Raton-Miami WKOS 99.9 Q-100 (not/ IL Harrisburg WEBQ-FM 99.9 Q-99 (not Rock-100) LA Lafayette KTDY 99.9 FM-100 NM Clovis KTQM 99.9 FM-100 TX Brownsville KTXF 100.3 KTX TX San Antonio K LLS-FM 100.3 Class FM OH Findley WHM Q 100.5 Q-Country (not Country-100) (not The Cat) OK Oklahoma City KATT-FM 100.5 Rock-100 / BC Prince George CIOI 100.5 C-101 AZ Sierra Vista KTAZ 100.9 K-101 IN Peru WIVQ 100.9 Q-101 (not Stereo-101) VA Covington WI QO 100.9 Q-101 TN Memphis KRNB 101.1 Magic-101 MT Forsyth KXXE 101.3 Kicks (not FM-101) IL Bloomington WBNQ 101.5 Q-101 (not 101FM) LA DeRidder KEAZ 101.7 K-101 MS Gluckstadt WZXQ 101.7 Rock-102 IL Skokie WCLR 101.9 102-FM (not Clear-102) IL Springfield WVEM 101.9 FM-102 [102) MA Falmouth WCIB 101.9 FM-102 (not Stereo-/ WV Morgantown WVAQ 101.9 Q-102 (not Album FL Biountstown WRTM 102,3 Country-102 FL Dunneilon WTRS-FM 102.3 FM-102

L Eldorado WKSI 1023 K-102 (not Kiss-102) 1L Morton WTAZ 1023 FM-102 LA Boyce KBCE 102.3 Classy-102 NC Roangke Rapids WPTM 1023 M-102 (not / TX Austin KPEZ 102.3 EZ-102 A L Jasper WWWB-FM 102.5 3WB CA Santa Maria KSNI 102.5 Sunny-102 (not Sunny Country) FL Sarasota WAVE 102.5 Wave MO St. Louis KEZK 1025 EZ-102 MO Cape Girardeau KEZS 102.9 EZ-103 NC Hickory WHKY-FM 1029 Y-1029 (not Gospel 1, now r, RKO network AR Helena KCRI-FM 103.1 KC-103 FL DeFuniak Springs WOUH 103.1 FM-103 (not/ KY Manchester WWXL-FM 103.1 XL-103 TN Knoxville WIM Z-FM 103.5 Rock-104 (not 104-IMZ) UT Salt Lake City KRSP-FM 103.5 Rock-103 IN Fort Wayne WXKE 103.9 Album-104 (not

KY Whitesburg WXKQ 103.9 Q-104 WV New Martinsville WKGI 103.9 KG-104 LA Monroe KWEZ 104.1 EZ-104 (not FM-104) MI Detroit W/OMC 104.3 FM-104 OH East Liverpool WELA 104.3 Country-104 MD Ocean City WQHQ 104.7 Q-105 (not QHQ) OH Dayton WTUE 104.7 W-2 (not TUE) KY Frankfort WKYW 104.9 K-105 LA Abbeville KASC 104.9 KC-105 TN Kingsport WZXY 104.9 Y-105 TX hiexia KYCX-Fm 104.9 Kicks 105 WA Pullman KQQQ-FM 104.9 KQ MO St. Joseph KSFT 105.1 K-105 (not Steren Country 105)

OH Salem WOXK 105.1 Q-105 (not Country-/ TX Abilene KEAN-FM 105.1 K-105 KY Glasgow WOVO 105.5 V-105 (not We-Ve) NY Lake Placid WLPW 105.5 LP-105 WV Lewisburg WKCJ 105.5 KC-105 TX Longview-Tyler-Marshall KYKX 105.7 Kicks-106 CT Hartford WHCN 105.9 Rock-106

TN Memphis WGKX 105.9 Kicks-106 (not

AL Brewton WKNU 106.3 K-106 (not KNU) AR Greenwood KAJJ 106.3 Country-106 FL ho' day WVTY-FM 106.3 Vanety-106 IN Columbia City WKSY 106,3 Sunny-106 (not Kiss-106) IA Ankeny KJJY 106.3 FM-106 TX Terrell Hills KESI 106.3 Rock-106

MS Vicksburg WKYV 106.7 KY-107 (not KY Country) VA Manassas WEZR 106.7 EZ-106.7 IL Peoria WSWT 106.9 Sweet KS Topeka KTPK 106.9 Country-107 NY Auburn WPCX 106.9 Picks 106 OK Clinton KKCC-FM 106.9 KC (not The Fox) CO Pueblo KRMX-FM 107.1 Radio MX

Ft Melhourne WVTI 107.1 Variety-107 U Urhana WPGU 107.1 Rock-107 KY Corbinn WCTT-FM 107.1 T-107 KY Hindman WKCB-FM 107.1 K-107 MI Port Huron WSAQ 107.1 Q-107 (not Q-/ Country)

NY Briarcliff Manor WZFM 107.1 Magic-107 FL Jacksonville WCRJ-FM 107.3 Flw-107 FL Milami WQBA-FM 107.5 Super Q (not Wuper (1)

MI Ishpeming WMQT 107.5 Q-107 FL West Palm Beach WIRK 107.9 K-108-

I appreciate Nick doing this, which he did in response to a special request of mine. He says: Each of the approximately 1,000 Flv slogans contained therein was checked against the new Atlas, and all nontrivial differences noted. In general, based on information for my area, the raw data appears to be quite accurate. It undoubtedly contains some errors, however. Al-though I nave tried to carefully consider the reasonableness of each suggested change, you may not necessarily agree with every item.

There are, for example, a few rock stations which ended up with "EZ" type slogans. This strikes me as being possible, provided they say it briskly, rather than slowly and drowsity like a b station would.

Multi City Identifications in Use

FL Fort Pierce WKGR 98.7 now IDs as "Fort Pierce-West Palm Beach-Boca Raton" FL Fort Lauderdale WWJF 106.7 as "Fort Lauderdale-Miami-Palm Beach" GA Gordon WQXM-Fin 107.1 adds Macon, b

IL Charleston WEIC-Fm 92.1 adds Mattoon-Arcola no noni D assumed

11 Pekin WCIC *91.5 adds Pegria

KS Hutchinson KSKU 102.1 adds Wichita KY Fulton WWKF 99.3 adds Union City TN still KF-99 (strict), \$, r OH Bellaire to OloP-Flor 100.5 adds to beling OH Milford WLYK 107.1 Milford-Cincinnati (no mention of Mariemont), 107-FM PA Wellsboro VvN BT-Fm 104.5 adds Mansfield WI Imanitowoo WKKB 92,1 adds Two Rivers. Mutual network

Formats/Networks

CT Hartford WKSS 95.7 r[ock] CT New Canaan WSI X *91 9 ci now rebroadcasting WMNR *88.1 Monroe 100% FL Plantation Key WFKZ 103.1 r, F-103 ID Boise KBOI-Fix 97.9 m, never went r, as

Flu ATLAS and earlier VUD report had it ID Payette KQPD 100.3 k (moving from 100.1) IN Bloomington V-TTS 92.3 r ("their old Am format") "The Cat" IA Dubuque KATF 92.9 C (CBS RadioRadio),/

MD Grantsville WAIJ *90.3 S (AP) network NY New York WPIX-Fili 101.9 rm OH Dayton WCXL *89.5 (having moved from 89.3 along with sharetimer lyDPS Dayton)

g, both WCXL and WDPS are monaural. OH West Carrollton WQRP *88.1 a (some k). mono ("Stereo Country")
PA Greensburg WOKU 107.1 r, \$ (no ionoer/ PA Lancaster WJTL *90.3 rg, no network. \$? PA Pittsburgh WPNT 92.9 rock SC Chester WDZK 99.3 T (The Source)-from/ TX Ballinger KRUN-Fm 103.1 r (from k) TX Haskell KVRP 95.5 S (net.); was NBC UT Orden KWCR *88.1 k, with a "useudo

commercial sound") UT Salt Lake City KRCL *90.9 pe WV Huntington WTCR 103.3 k[ountry] WI La Crosse WIZM-Flm 93.3 RKO network WI New London WNRK 93.5 D network Inst WI West Bend WBKV-FM 92.5 V-92, r, still S / WY Evanston KOTB 106.3 rm, K-106 (not

WY Rock Springs KQSW 96.5 mr Call Letter Change Assumed

NJ Zarephath WAWZ-"Fly" (from WAWZ-Fly?) Alv said to no longer be sharing time with WBNX New York, so assume the calls now WAWZ"-FM". WAWZ (Alm) sold, presumably to the owners of WBNX.

Call Letters Assigned or Changed

AL Greenville 94.3 V. QZX AK Juneau 106.3 KYSY AK Kodiak 104.9 K285AA on air, 100 watts (KGTL 103.5 Homer AK translator)

AK Girdwood *91.9 K220AL (KSKA 91.1 Anchorage translator); on air AZ Glendale 92.3 KJJJ-Fln (KEZC)

AR Pine Bluff 99.3 KZYP CA Camarillo *90.3 KMRO CA Pioneer 103.1 K276CH (not K276BA) CO Manitou Springs 102.7 KIKX-FM (KIIQ-FM),

"Kicks-102" CO Pagosa Springs 106.3 KRQS DC Washington 99.5 WGAY"-FM" (WGAY-FM) FL Orlando 105.1 WBJW-Flw (WBJW); no noni D assumed in use

GA Macon 99.1 WAYS (WMAZ-FM) [(strict) IL Le Roy 92.7 WTWN (WWLA), r "FM-93" IN Decatur 92.7 WOTZ (WMCZ), WhiEE 97.3 Fort Wayne took them to court over similar-sounding call letters and got an injunction, thus WOTZ. FCC no longer arbitrates call letters disputs among stations. FCC-FM

IN Winamac 100.1 WOTD KS Hill City *90.5 KZNA KY Flemingsburg 106.3 WBPK LA Crowley 1029 KAJN"-FM" (KAJN-FM) LA Dry Prong *89.1 KVDP LA Slidell 105.3 WLTS-FM (WLTS); nonID is assumed discontinued LA Vamado 92.7 WBOX-Fitt (not WBOX) ME Millinocket 97.7 WSYY-FN: (WKTR) MA Boston 100.7 WCOZ (WHUE-FM), stays b MA Lowell 99.5 WSSH (WSSH-FM) MI Cadillac 107.1 WITW Mil Gaylord 106.7 WKPK (WWRM); affects xitr. in Petoskey on 100 9 also MN Chisholm-Hibbing *88.9 K205AX (not / MN Rochester *95.5 K238AB (not K238AA) MO Birch Tree 107.1 KBMV-FM (not KBMV) In O Greenfield 93.5 KORX (KRFG); affects xi trs: MD Salem 95.9 KMMC (KSMO-FM) MT Wolf Point 102.3 K272BF

NE Central City 100.3 KZEN NH Littleton 106.3 WMTK NM Bayard 92.7 KNFT-FM (KLCJ) NM Clovis 107.5 KZZO (KCPK), r. "The Zoo" NY Webster *90.7 WIUE NC Asheville *88.1 WCQS"-FM" (WUNF-FM) NC Wilson 106.1 WRDU (WXYY), new rock ND Williston 101.1 KDSR OH Proctorville *91.9 WMF.I OK Healdton 105.5 KZEA OK Henryetta 99.5 KDLB-FM (KDLB) OK Poteau 97.9 KZZE (KLUP) OK Prvor 104.5 KmYZ"-FM" (KMYZ-FM). 70000h.v: 1130' OR Astoria 92.9 KAST-FM (KBKN)

OR Riddle 103.9 K280BH (not K280RA) SC Marion 94.3 WKXS (WATP-FM) TN Dickson 102.3 WDKN-FM (WTNQ) TX Denton 106.1 KTKS (KIXK), Kiss-FM, r (affects Dallas 106.3 translator) TX Greenville 93.5 KIKT (KGVL-FM) TX Merkel 102.3 KIXK (KMIO-FM) TX Refugio 106.3 KZTX (KPRT): assumed no

more Spanish TX Wichita Falls 106.3 KTTT UT Tremonton 104.9 KBCM-FM (not KBCM) VT South Burlington 95.3 WXXX WA Longview *90.3 KZDE WA Spokane 92.9 KZZU (KREM"-FM")

WY Afton 98.3 KRSV-FM (not KRSV) WY Casper 106.9 KTKL WY Laramie 107.1 K296AA (not K296BU)

SCA, all at 67 kHz this month

CT Bridgeport WPKN *89.5 talking for the blind, tT NJ Newark WBGO *88.3 †E[thnic] -appears to

NY New York WCBS-FM 101.1 no SCA-the last of Dow Jones' talking SCAs bites the dust (no tF) PR Arecibo WCMN 107.3 no SCA

PR Carolina WVOZ 107 7 no SCA PR Cidra WBRQ 97.7 no SCA PR Corozal WORO 92,5 no SCA PR Isabela WKSA 101.5 no SCA PR Mayaguez WKJB-FM 99.1 no SCA

PR Pance WIOC 105.1 no SCA PR San German WRPC 95.1 no SCA PR San Juan WIPR-FM *91.3 no SCA WZNT 93.7 no SCA

WPRM 98.5 no SCA WIDB 99.9 no SCA PR Viegues Island WLI D 98.9 no SCA VI Christiansted WIVI 99.5 no SCA

November, 1984

Contributors last month: John M. Adams, Seaside OR; Frank Aden, jr., Boise ID; Kurt Anderson, Woodbury CT; Jeffery Blair, Lima OH; Chuck Boehnke, ASWLC Fly editor, who kindly promoted my "Fin Atlas" in his column, Los Gatos CA. Also: Phil Boersma, Spring Lake int; Roger Brown, Ames IA; Jim Cameron, New York NY; David Chepurna, Waterbury CT (who sent an article from the New York Sunday News, Aug. 16, 1964, p. 9C, "25 Years Ago Fm Radio Was Born," by Ben Grosswhen the U. S. had 1200 FM outlets operating. Also: Richard K. Clark, La Vega DR: John F. Combs. Orlando FL: Eugene Cooper, Lompoc CA; Pat Dyer, San Antonio TX; Don Erickson, Riverside CA. who has bought the few remaining copies of my 8th ed., and has a supply of the new 9th edition FM Atlas (write him at 6059 Essex St. Riverside CA 92504-1599 with an SASE for his book list when it is published); Bill Fahber, Bridgeton NJ; Bill Fait, Painesville OH; Ted Fleischaker. Louisville KY; Larry Fuss, Jackson GA; Charles George, Dallas TX; Martin Gerhardt, Oceanside CA; Al Germand, Columbia MD: Bob Gilbert, Auburg ME: Robert Goodman, Bronx NY: Robert Grant Detroit MI: Paul Harkness, manager, KDNW (Fin) Duluth MN; William Heflin, Kankakee IL; William R. Hepburn, Hall Beach NWT; Jeff Kadet, Iwacomb IL; Mike Kohl, Kodiak AK; Michael H. Krafeisen, station manager, WSEX Arlington Heights IL; Bob Levy, chief engineer WHRL Albany NY; Albert S. Lobel, San Diego (whom I enjoyed rooming with at the NRC convention in Colorado Springs); Fred Mc Cormack, Fargo ND; George Mileon, Lynn IwA; Dennis L, Miller, WCLV Cleveland OH; Greg Monti, Arlington VA: Paul R. Mount, Teaneck NJ: Raymond J. Nemec, Nauerville IL: David J. Nie-D Greenheid 33,5 KURX (KRFG); affects xitrs:
106.3 Jophin, 107.1 Springfield, 95.9 Stockton, man, Akron NY; Peter A. Nolan, <u>Radio Philes,</u> Galveston TX; Eric G. Norberg, manager KWIP, Dallas
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106.3 Jophin, 107.1 Springfield, 95.9 Stockton, man, Akron NY; Peter A. Nolan, <u>Radio Philes</u>, Galveston TX; Eric G. Norberg, manager KWIP, Dallas Wood Dale IL; R. Povich, Annapolis MD; Paul J. Rebmann, VNFI Ormond Beach FL; Franklin and Richard Reese, Jersey Shore PA; R. Nitzel, Daly City CA; Nan Rubin, KUVO Denver CO; Steve Russell, KOPO Marana AZ (a Tucson "rim-shotter"?); Kent Salzman, Bryan OH, Also: wrs. Wardell Smith, Upper Montclair NJ (whose company, Music Associated, is getting out of the SCA business, as the Smiths are retiring); Jay Spell, Nashville TN; Paul Swearingen, Leadville CO (he lives in CA, but sent some station news while in Leadville. The Leadville frequencies vary so much from reality, I suspect he was getting cable leakages a common problem in some places in the west). And: Bill Thomason, Buffalo NY: David Tomlin, Berlin NJ: Stephen Tuura, St. Catharines GN: Don Voegele. Stockton CA; Alexander Wiese, Munich, GERMANY; Don Wilkerson, Redwood City CA: Dr. Richard Wood, Hillo Hill (who does not really live up a mountain slope, but rather on a plain, about 100 feet above the ocean level -- he corrected me on this when he was here last month). I also want to thank the attendees at the V-TFDA convention, Jamestown NY, and the NRC convention, Colorado Springs CO, who kindly supplied station news. Eugene Cooper, Lompoc CA, says he's happy my ref. tipped him off to KSDS *88.3 San Diego, coming in loud and clear over an across-the-water path.

READERS' REPORTS AND FM INDUSTRY NEWS

A listener in NE Wisconsin on 24 Oct. 1983 heard for over an hour KKXL-FM 92.9 Grand Forks ND coming in on 91.1 mHz! He called KKXL-FM and tney said 'they were testing at the time." At the same time MTV was heard on 93.5, and WNBK New London WI had reports 30 miles away of interference. I know the solution to the first problem-it was recently mentioned in this column. WGGL *91.1 Houghton MI, in trying to pick up WSCD Duluth at a relay site near Bayfield WI, experiences fading and gets Grand Forks at times. Here's something we DXers had better watch out for: In Appleton WI they've passed an antenna ordinance. They will allow one ground-mounted antenna in a back yard. "My 30 foot tower is on the side of the house and is in the 'grandfather' clause if I don't change it," writes Edward Isotalo. If this type of law spreads, DXing itself could be threatened. I think all DXers should resist vigoroously any zoning ordinance or even apartment covenant that forbids outside antennae. A Constitutional amendment needed? Then he asks, "Are there any excellent FM receivers, tuners or portables around now for DXing? It seems not. The Heathkit AR-1500, AJ-1510. AN-2016 with 90 to 100 dB alt, ch. selectivity are gone and most others are 70 dB or so alternate channel. I went to Sound World last week and asked what the best one is and NAD was recommended, but adjacent channel selectivity was only 8 dB! And he said it was judged best for under \$3,000! ... I still use my 1967 Heathkit GR 43-A, but it overloads on the yagi, but it is still better than many expensive stereo receivers. The Ak-1500 front end is excellent for not overloading."

Nick Lombardi: "I hope you didn't find my 'Flm Atlas Comments' too strident or pompous [Nope-Ed.]. If each of your 10,000 Atlas customers were to send two pages of comments and complaints, you would have 20,000 pages of material to digest, which would be a bit much! [Don't worry, I wish I had 10,000 customers, but it's closer to 1/5 that amount I Now that 92 kHz SCA is coming into widespread use, I think you need to establish a new separate set of codes for it (and for 57 kHz)." He suggests separate letters for 92 kHz, like B for music K for talk, V voice paging and Z data noise or telemetry. Instead, I am considering radically altering all my SCA categories, with the same letters for 67 and 92 kHz, but separate columns for them. I'm waiting to see if I get a computer first, however. And Nick will be happy to know that this column will have used up all but the last of my state old economy IBM Composer ribbons, which don't have enough inking to print an M or Vproperly!

Jim Pizzi sent an article mentioning that KHFIn 96.3 Albuquerque is now "15,000" watts atop Sandia Crest. "KHFIn, which is 30 years old and broadcasts 18 hours a day, was the first commercial File station in the state. It originally transmitted from a short tower south of the University of New Mexico. Transmitters were subsequently moved to the Northeast Heights, and then to Sandia Crest in 1977." I list them as 13,000 watts, but stations in their publicity often round their powers to higher figures. One of my customers is Jack Minkow, Carlyle Communications Group, which is suing Amaturo for \$45 for breach of contract. Carlyle wanted to buy KwJQ Houston, KwJw St. Louis and V-DRQ Detroit. I've been bird-dogging "rim-shot" stations they might consider for upgrading and reaching into major markets nearby. Cartyle is based in Chicago.

104-XKE)

John Bbeling sends some interesting news. From the Duluth newspaper: "Plans for that Minnesota Public Radio station on the Iron Range are humming along nicely. About \$33,000 has been raised out of about \$80,000 necessary. That's to supplement a \$104,000 federal grant... Construction should begin this fall and WIRR will go on the air by late November. The 20,000 want station will broadcast from a 5,000 foot (?) tower at the old Grant Mine dump site at Buhl. The entire Range should finally receive a clear, strong MPR signal [90.9 mHz]. The station won't produce any of its own programming at

first, but might a year or two down the line. And WCCO (AM) Minneapolis is, for the first time ever, below 20% with a 19.1 share. Next in line are KSTP-FM and WLOL-FM tied for 11.3. I have access to Birch and Arbitron data, which agree on public radio's penetration in a number of markets. Madison WI is the top market nationally for public radio, with 15% of the audience, shared by four stations. WERN is tops with about 9% Arbitron does not list public radio stations, but does include listening to "other" (non-listed and out of town) stations, while Birch does give specific figures for public stations in many markets. All are in Jim Duncan's American Radio, a rather expensive book published in Kalamazoo ML. Twin Cities listening totals 89.3%, leaving 10.7% to "other stations." KSJN-FM *91.1 shows 2.1% of the audience, while KTIS-FM *98.5 shows up with 1.4% of the radio audience. This compares with com mercial stations in the chart John Ebeling sent: WWTC AM 1.5% KDWB AM 1.4% KGBB (107.9 Anoka) .8, etc.

"Both Grand Rapids MN stations have been back on the air for about a month now—tower must have been replaced. Any idea of the *99.5 International Falls KBHW translator on *98.3—as to where located and calls? [No, not yet.] Several weeks ago trops were so good here that, in the parking lot one noon local KBEM *88.5 (about 14 miles away) was completely blanked out by KCRB 88.5 Bemidji. . . I have also been receiving KMSU Mankato's translator on 91.9 from Albert Lea MN on a fairly regular basis. Haven't been able to log the KTIS-FM translator there. 103.9 is too close to local 104.1."

"I received the new Fin Atlas recently and read with interest that you have plans to market an expanded SCA adapter," writes David Weller of New York city. "The new adapter would be able to tune the local ARI traffic report systems, I presume; as such, it would come in handy for me. Coincidentally, I had the opportunity to install an ARI-equipped Blaupunkt radio in my car not long ago, but I balked at the extra expense of having to buy a power amp separately... I purchased a GE TV-sound radio from you last year with an SCA adapter. I must say that the sound quality of SCA reception was a surprise, since I expected clean, clear Fin sound for some reason. But I've had fun with the radio, and its quality is excellent. I'm used to the faraway sound SCA... I own an Adcom tuner with a Parsec antenna—I've found and identified stations I wouldn't have known to look for without the Atlas..."

Richard Reese just got a CBC French listing, which includes the following stations that are not in the Atlas, or on my computer records. Any information from readers, such as Walter Patton or Saul Chernos, on these would be most welcomed:

PO Ville de la Pocatiere 102.9
PO Camp Fontanges 95.1
PO Camp Goelette 95.1
PO Opinaca 100.3

"Whoever gave you AFCN is on 103.1 [San Juan PR] does not know what he is talking about! snarts Richard Clark, who kindly supplied most of the PR and VI station news appearing earlier in this month's column.

Kurt Anderson writes: "Many thanks for the tape recording of WiMNR [*88.1 Monroe CT] as received in Kearney NE. My staff really got a kick out of it. They don't know how far FM can really go if conditions warrant. Please keep me on your mailing list. Your book gets better each year. At \$7.50 it is far more valuable for technical information than the \$80.00 Broadcasting Yearbook... The Blaupunkt ARI system is now on 5

FM stations in the New York city area:
WALK 97.5 Patchogue NY, WNEW-FM 102.7 New York NY,
WHTZ 100.3 Newark NJ, WZFM 107.1 Briarcliff Manor NY; WR KI 95.1
Brookfield Ct.

"WPKT Meriden CT 90.5 is incorrect. The city of license is still Middlefield CT. They moved the transmitter from Middlefield to Meriden, but the city of license stays in Middlefield, I think they filled out their Form 340 wrong on the first try and I know they wrote the Commission to correct this fact."

New K285AA Kodiak AK on air with 100 watts from atop Pillar Mountain, 1200'. Already has been off due to weather and power surges. Receiving signal direct off-air from Homer, 100 miles away. Signal fades at times and thus fades over the translator, reports Mike Konl in AK. "Personally I doubt the system will last the winter-in a very harsh location, along with Coast Guard VHF equipment, which was very badly damaged last winter by winds and ice. Puts out a good signal through 'Superstation' r [or rm]. Co-located Moody translator shifted from 106.3 to 107.1, although they still announce id as K292BN. I never saw any public notice on their change. I question the legality of it." [I did see the FCC approve their frequency change, but as usual for the FCC, they did not figure out new call numbers for K292BN. I guess a public notice escaped you because the FCC probably considers change of a translator frequency a minor change, and not requiring a public notice in the local media. They have done that with reference to change in primary station an FM translator picks up, despite the National Association of Broadcasters objecting to this change.

K285AA, a KGTL translator, is the result of a threeyear effort by the station, which can be heard "from Monashka Bay to Bells Flats to Chiniak. . . Kodiak listeners will be able to call Homer toll-free on a planned "486" number once it is installed. Broadcast hours at 6 a. m. to midnight, with the Moody network translator moved from 106.3 to 107.1 because of interference to the local cable Fly system.

The Bugs are out! (merly Thank your for your patience in seeing us through our trials in getting Moody Radio on the air on 107.1 mhz FM There were times when we interfered with listeners on the cable FM system We apologize for the inconvenience and trust that all is well now. Your support will ensure that you have the finest in stereo listening 24 hours a day. Contributions may be sent to: **Christian Radio** Box 784 Kodiak, AK 99615

leff Kadet says WCAZ-Fis 92.1 is still broadcasting only on the left channel. "It's simply amazing that they haven't noticed it yet." WDHP 96.9 Presque Isle ME is back on the air after more than a 5-month absence, says an article in the Bangor ME Daily News, 18 Aug. 1984. "Financial troubles plagued the station's former owner, who declared bankruptcy in February. One of the station's former owners, Clarence Dow, bought the station early this spring. Attempts were made to start broadcasting in May, however settling the station's financial complications prevented broadcasts from airing until the end of July.

Hours will be 6 am to midnight seven days a week with a contemporary hit format. "Live satellite music shows, programmed by national consultants Burkhart/ Abrams will be featured... All programming will originate from Texas and will be sent live to the station via a stability and the sent live to the station via a sent live via the sent l

K-Radio, an Flw. Pirate?!! It was on 24 hours a day at 104.7 FM during the NAB-NRBA Radio Convention in Los Angeles had 9 staff DJs donating their time and six news persons and was commercials. One of its guiding lights, Jim Cameron, says it had 20 watts 650' HAAT.

This station must have been illegal or extralegal as far as FCC is concerned, but the people from the Commission must have winked at it, since they were in attendance, along with radio broadcasters and program suppliers. K-Radio's audio chain included Optimod processing equipment, a McMartin FM exciter and a Cetec JSCP antenna, so that means 20 watts h & v. At 650' HAAT, that means K-Radios primary (1 my/meter) coverage radius would have been six miles and its secondary (50 microvolts/m) would have been 26 milesquite a pirate! And the FCC tells me that I cannot operate my "beam" with an erp of 120 milliwatts! I am, however, developing a real-estate radio transmitter, about 10 mw, to cover only my property with a continuous tape, using an auto-reverse cassette. This will feature a pitch to be received by persons parked in front, listening on an FM car radio, and will include a sign giving information on how to tune in. The concept has been tried before on AM, but not on FM, to my knowledge.

FCC-Flv

Watch for K-Radio to appear again; it will be revitalized at similar conventions in Los Angeles and elsewhere. I will try to alert you to K-Radio tuning-in opportunities before they happen. Up on the third floor of the Bonwenture, K-Radio broke in

periodically between its pre-programmed AOR format with the hot news of the convention... Cameron has managed to sail commercial time to 30 sponsors, most of whom have exhibits at the convention. Operating on a frequency of 104.7 (chiefty because no one else around central Los Angelas seemed to be using that frequency, Cameron explained), K. Radio is a volunteer low-power station that conflines its signal to the area around the Bonaventure and only during the five days of the common Cameron rited that deep for the first time last year, which was a second to the common Cameron rited that deep for the first time last year, which was not contained to the common of the contract of

With WDPS and WCXL Dayton both on *89.5, it is harder to get co-channel of WHSS Hamilton OH in certain places. Strange that WCXL-WDPS should move from 89.3 to 89.5 and be so close geographically to Hamilton OH. "Perhaps it's because WUSO Springfield OH will be moving to 89.3, 1 recently neard WUSO. They are still on 89.1 with 10 watts," muses one reporter.

Dr. Richard Wood, who survived quite an accident on a downhill freeway near Las Vegas when his car tire blew, after his visit in Kearney, sent Flu station news from WY-UT-NV. He also visited Don Erickson, who is anxious to sell copies of the old FM Atlases and other books. Richard reported that all translators "logically predictable to be audible on my trip were audible (exception noted earlier) and proved to have greater coverage, in most or all cases, than I expected-often 30 miles depending on terrain. I know more about translators now. . . The 101.7 translator in Laramie [K269BG] is having technical problems and appears to be on 101.8, to judge from its equal strength on the 101.7 and 101.9 settings of my digital Panasonic car radio at up to 25 mi. from Laramie (where the other translators were heard only on their nominal channel). Also, it is severely distorted. UT Logan 94.5 KVPM not heard -apparently blocked by mountains. UT 'Color 95' Provo KLRZ noted with images and/or mixing products on 93.7 and 95,3, up to 10 miles north of Provo. *90.9 Salt Lake City 1D "Alternative Radio" heard with truly original programming by and for American Indians on Sunday morningso change to, or add, p and e. ... Well, Bruce, sometimes you've given me column credit when I really didn't deserve it, but this time I think I've nelped a little and am glad to do so. . . Have a good fall, and mahalo (thanks) again," [Thanks. Richard, for this help. I appreciate your checking out specific stations I needed information about on the trip, as well as observations on other stations and translators. Glad you got out of a potentially bad accident situation so well.l

Frank Aden says KRFA *91.7 is identifying as Moscow ID, but it appears to have been taken over by Washington interests. There is even confusion about the call letters. It is called "KFRA" by my Idaho reporter, but the FCC says it is KRFA, with KFRA being in Franklin LA. Maybe the station itself is identifying with the wrong call letters! KBSU *91.3 Boise "has been taken over by the state (Idaho Educational and Public Broadcasting Network) and wants to go NPR. Seems to be a lot of discussion on it as the staff wants to stay student run. The Idaho Statesman has been running editorials against the transfer but many letters have been published in favor of the transfer. Looks like the state wants to take the money used by ex-KUID-FM and give it to KBSU," says Frank. KFXD (AM) with studios in Meridian ID is laying off staffers and going to the Satellite Music Network, with Jack Sunday (his real name?) joining KFXD-FM as morning shift announcer. Frank says: KBOI-FM 97.9 Boise has been MOR beautiful music since 1975. They are presently running Schulke but will be going Bonneville in January. They are pretty upset about the listing in the FM Atlas showing them as rock, and you will probably be getting a letter from them. [I believe I saw they were reported as rock in a VUD report a few months back, and that's why I changed their format! Color 'em m for m-o-r.]

KRIC *100.5 Rexburg ID is not 75 watts, but 75-thousand watts, and has been for almost a year! [I refused to believe the FCC on this one, and it is I who demoted them to the status of a 10-watt station with a high-gain antenna for 75watts ERP. Sorry if this hurts my credibility!-B.E.1 . . . I decided not to list slogans/nonIDs after publishing the Oregon Broadcast Band Guide. I found that more than 2/3 had changed between the time I collected the information and the publishing date. Most of the stations around here change slogans almost every month. KBBK has used 6 so far this year [let me know the current one-b.e.]. As for stereo, I felt it was no longer of importance as all of the Idaho FM stations reported being stereo. As for translators those that were on the air in the smaller towns appear to be going off as more regular stations come on. [?]... many of the stations do not even have complete lists of what translators are rebroadcasting them. . . KISU 89.5 Pocatello 10 kw plans to return to the air in 1985-6." KISU would replace KBGL, which deleted. Frank then promos the FM Atlas; his own guide, with formats, etc. and TV, FM and AM maps, 1984 edition. is quite extensive for Idaho. For information on the "Idaho Broadcasting Guide," write Frank Aden, Jr., PO Box 66352, Portland OR 97266

WNCY *91.1, owned by Nasson College, has not been heard in seweral years. Nasson went bankrupt and folded last year. A letter to WNCY's former manager is unanswered. WNCY could go the way of WRNE Houlton ME, taken over by

Randy Stanley in Mishawaka IN enjoyed a sample VUD I gave him, saying "I am considering joining the club. I read in the WTFDA bulletin that you had logged 1491 Fm stations as of September 7, 1994. . I would be intered to know more about the equipment that you use for DXing." He's a high-school student, maintaining a 4, Daverace.

Craig Pattillo got a list of KSOR translators, which I tried to sort out, earlier pages of this column. "How about placing the (t) for translators with the noncommercial designation for easier identification. Since you did away with the translator call sign (which I don't like) it is hard to distinguish between the primary stations now."

David Nieman sent an article on a truly family radio station—Peter Hunn's WHRC 92.1 Port Henry NY. He and his wife, Carolyn, run the station from their living room, and have done so since 1982. He bought equipment when it became available and put the station on the air for \$40-\$50,000. Hunn, 31, works at the station 5 a. m. to midnight most days. Advertising pays the mortgage, the power and the phones, but profits so far are lean. But they d like not to work at such demanding jobs the rest of their lives. VHRC—It must be much like VHYP—Fw. 100.9 North East PA, which I heard while driving to NY route 17 and the Jamestown convention.

Contributors this month: Frank Aden, Jr., Boise ID, Kurt Anderson, Monroe CT, Chuck Boehnke, LosGatos CA (who wants me to do an SCA article for his ASWLC column), Jm Cameron, Brocklyn NY, Dick Clark, La Vega DR, Ronald Duvalle, Two Rivers WI, F. S. Domfowski, Jr., Milwaukee WI (who will be employed for the first time since?-B1, and says "College finally paid offil") Others to be listed next month.

TENNA NEWS

3009 Fort Sheldon

November 1984

Dear Fellow DX'ers,

My apologies for no column last month. Things are very hectic here.

Thanks for the break!

I have a few miscellaneous thoughts before getting into this month's discussion on auto fm antennas. First, why no antenna company has jumped on the "Ghostbusters" theme (bandwagon) is beyond me. Second, I have a 750' spool of $\frac{1}{2}$ " (500 series) hardline coax that I would be happy to sell by the foot to anyone that wants some. Price is 50¢ per foot. Third, Mark Uhryk reports that the tuner reviews presented in the Sensible Sound magazine are excellent. Thanks for the note Mark. Mark also points out that the VUD is generally void of such reviews. I would imagine that the reason for this is the overall cost of full scale testing equipment. However, I would encourage members to write reports on new pieces of hardware which they purchase. This would greatly help other dx'ers in the expenditure of their hard earned bucks. Also in regards to Mr. Uhryks letter, I do not have any information on the Bosch Autoflex antenna but would appreciate any which you could supply. Fourth on my list of thoughts, it was mentioned a courle of months back that there might be a shortage of Channel Master antenna equipment this fall due to their move to new facilities. I have not experienced any delays yet and doubt that the problem will be as bad as we had originally feared.

AUTO FM * THE FORGOTTEN ANTENNA SYSTEM

While great advance have been made in the tuner department of automobile fm reception, the antenna department has been largely ignored. Most often, if one desires better fm reception, the only option is to add a preamp. When companies have brought out a better performing antenna, the product did not catch on in the marketplace for one reason or another. It is probably this stigma of non-marketability that keeps most manufacturers from producing a

high-performance product.

Standard on most American automobiles is the fender mounted 1-wave whip. It is very cheap to produce and gives acceptable results. From the theory standpoint it makes alot of sense because it is resonant at this point. From the cosmetics viewpoint it has become quite acceptable and nobody asks "What is that antenna thing for there on the fender?".

Several years ago, the windshield antenna was brought to the marketplace by the then "GM superstar" John DeLorean. Although DeLorean is a very bright man, the windshield antenna and dealing cocaine are not among his best ideas. In reality, DeLorean was quite dissappointed with how the antenna worked in the real world and himself considered it one of the poorest inno-

vations that he promoted while at GM.

The "short antenna" is an idea promoted chiefly by Hirschmann from Germany. Typically it is a short (16') antenna which pivots up from a base mounted on the car body. Because they are so short they are considered good looking by the buying public. Also because of their shortness, they need amplifica-

tion to match the performance of even the 4-wave whip.

The last commercially available antenna that I'll mention is the Avanti "glue-on-the-windshield" type. This product really caught my eye when it was introduced a few years ago. It is a 2-wave design which screws into a small base which is in turn epoxied onto the car's windshield or other body glass. The signal is then capacitively coupled through the glass to a pick-up inside the car. because there is no connection to the body metal (ground) at the antenna, the pick-up on the inside of the window contains noise reduction circuitry. To me this seems like the perfect antenna for vehicles with positive ground (White Freightliners for example) since the antenna is usually the only thing that can't be isolated. The antenna also needs no ground plane so is a natural for Corvettes, Fieros, etc. The antenna performs 7% better than a standard 1-wave on fm and 70% better than a windshield antenna on fm. For am fans, it performs 22% better than either of the others. The antenna is still made by Avanti who was bought out by Antenna Specialists a couple of years ago. Price is \$30. If you want one and can't find one locally, I have 2 brand new ones still in the box that I'll sell for \$25 each. I had to buy 3 from A/S to get one.

DESIGNING THE ULTIMATE

Taking for granted that we're working with a metal bodied, negative ground automobile, and that we're not concerned with if we hit the garage roof with our antenna when we pull in or not, the ultimate auto fm antenna is described below (my views of course).

Physical length-It stands to reason that long is better. Forgetting about everything else for a moment, please look at the picture below.



Antenna A is only going to avail itself to 1/3 of the waves that antenna B is getting. I know that this is a bit simplified but I think the point is

Electrical length- There are other considerations though. As an antenna changes it's electrical length it becomes more or less resonant and also it's pick-up pattern changes. The only lengths which are resonant are multiples of t wavelength. The only lengths which terminate well into a coaxial cable are odd multiples of a $\frac{7}{4}$ wavelength ($\frac{1}{4}$,3/4,1 $\frac{1}{4}$,etc.). We might be tempted to cut a few inches off of a 102" CB whip to make a 93" 3/4-wave fm whip. However, please look at the directional patterns presented by various wavelength antennas below.



As you can see, the 4-wave picks up well at most angles except straight up. The 2-wave has its' pattern squished down a little so that pick-up is better horizontally and not quite as good at angles up and away from the ground. The 5/8-wave is the most horizontal pattern obtainable in fact its' horizontal reception abilities is twice that of the $\frac{1}{4}$ -wave. The 3/4 wave antenna starts to break up in the pattern end of things and has very little response in the horizontal plane. As you can see, the 5/8-wave antenna presents the very best available pick-up pattern, receiving less noise producing signal from up above and receiving strongly the signal coming from the horizon. A 5/8 wavelength antenna for the fm band would be around 75 inches at full length and could be coil loaded for shorter

The problem however with 5/8-wave antennas is that they are not resonant nor do they terminate in an impedance corresponding to an available coaxial cable. This problem can be easily overcome with a small matching circuit at the base of the antenna or by stub tuning on the coaxial cable itself. This is commonly done in the buisness band field, in fact most business band antenna catalogs are loaded with 5/8-wave product. What also becomes apparent when reviewing the impedance issue is that even the stock 4-wave whip is often poorly matched to the coax in that the theoretical impedance of the $\frac{1}{4}$ -wave is 36 ohms not the 72 ohm which most auto sound inputs are. What the actual impedance is varies over the 89-108mhz band and also varies a little from car to car. Also, the typical localdistant switch in most car tuners blows all input impedance figures into the weeds when it's in the local position (which it rarely is for dx'ing).

FENDER

Page 3

November 1984





POOF MOUNTED

Not being an artist, I have not shown very reliable or accurate pictures but please bear with me. You can see the effects of the ground plane in the above samples. In the headings for which no or little ground plane exists, pickup suffers. You can easily see the advantage of a rooftop installation. Several attempts have been made over the last 40 years to put antennas on the roof right from the factory. The two biggest problems have been breakage due to garage roofs etc., and water leakage. Using a magnet mount would of course release you from much of this kind of worry.

Bandpass- An antenna is an antenna for all frequencies, perhaps a very poor one, but it is one nonetheless. It probably is very directional to frequencies out of the band of interest and the gain may be quite abit lower and the impedance may not match, but your antenna is picking up every frequency in the air surrounding your car. The net result of all this is that all kinds of signal gets fed to the front end of your receiver for it to sort out and find what station it is that you are looking for. Although auto tuners do this job amazingly well for their cost and physical size, their job is made much easier and their performance is increased when all this extra signal is eithernot there od diminished by abit. I hope you can see a good case for bandpass filtering.

My ideas— My ideas for the ultimate fm automotive antenna then would be a 5/3-wavelength whip in the middle of the roof with good impedance matching provided and also bandpass filtering provided. I don't know of anything like this on the market but one could be fabricated from scratch using plans from the Amateur Radio Handbook for 2-meter antennas and just modifying it for the Fm band. One could also be made by using parts from a business band line like Antenna Specialists or Cushcraft. Pandpass filters are available from Winegard and Channel Master.

An Alternative for the Local-Distant switch— Usually the antenna input on the rear of the radio feeds into some subminiture size of coax which runs up to the front of the radio to the Local/Distant switch. This often is no more than a switch which switches in a high value resistor into the signal path and burns off a bunch of the signal. A better alternative would be to run the little coax directly to the tuner input and to use a variable attenuator in the coax line coming from the antenna. These are available from Winegard, Channel Master, Jerrold, etc. At least the impedance values remain constant.

Preamps- A final word about automotive preamps. I would be hard pressed to say there is a better unit on the market than the Magnum Sleuth. This unit is fantastic. I believe fruce Elving is a Magnum dealer so he's the man to talk to for more info on this piece of gear. Among all the other units on the market I hear mixed reports on the Winegard, the Channel Master is not out yet, the Finco can no longer be found, but the AFV by Antennacraft seems to be alrost complaint free by the people who use them. They are very inexpensive \$200 and seem to be a good value for the money. If you can't find them locally let me know.

Thanks for reading. Have a good Thanksgiving.

NOV84 Worthern FM™

Saul Chernos 79 Ridge Drive Toronto Ontario Canada MLT 186

DAVE NIEMAN - AKRON NY 14001 EDT Time / C	Carver TX-11, Pioneer TX-9100, \$Probe-9, dipole.
MAY 1984	(JULY) 9 Es (MUF 93.9)
21 Es (MUF 98.7)	2055 WBRH 90.3 LA Baton Rouge g \$ 1090
1343 WLVE 93.9 FL Miami Bch r\$"Love 94FM	"1200 2059 <u>WABE</u> 90.1 GA Atlanta c \$ 720
<u>24 Es</u> (MUF 103.7)	26 Es (MUF 107.5)
1135 KCFR 90.1 CO Denver c \$	1375 1400-1500 to 93.3 no IDs
1217 ZBM 89.1 BM Hamilton r \$	1000 1850 KNOK 107.5 TX Fort Worth s \$ 1215
1440 WQUE 93.3 LA New Orleans r \$	1090 1852 KIXX 106.1 TX Denton r \$ 1175
1501 WJSU 88.5 MS Jackson	970 2050 WMPR 90.1 MS Jackson j \$ 970
JUNE 1984	31 Es (MUF 90.9)
13 Es (MUF 93.9)	1300 KVNE 89.5 TX Tyler g \$ 1155
√1827 WKPX 88.5 FL Sunrise r \$ 21 Ea (MUF 94.7)	1160 AUCUST 1984 6 Tr & Es (MUF 106.1)
2032 WRBH 88.3 LA New Orleans t	1090 0107 CBCE 97.5 ON Little Current ct s-off 260
23 Tr (WBFO 88.7 NY Buffalo off-air)	1730 CBSI 24 106.1 PQ Baie Comeau m FF 640
0810 CBOF 9 88.7 PQ Chapeau m FF	225 1800 CFIM 92.7 PQ Cap aux Meules mr \$ FF 840
25 Es (MUF 100.3)	7 Tr
2018 KTRS 95.5 WY Casper r \$	1380 1441 WJGT 89.5 NY Canton cm\$ (new-to-air) 190
2030 KILI 90.1 SD Porcupine r \$	1170 9 Tr
TULY 1984	2200 WXLV 90.5 PA Schnecksville r \$ 220
MULY 1984 3 Es (MUF 93.3)	COMMENTS: There wasn't much of a DX season
728 WCKW 92.3 LA Laplace kr \$	here in Western NY and by the reports in this
1808 KLPI 89.1 LA Ruston j \$	1047 many MID those smooth much alegahama Let
1818 KVNE 89.5 TX Tyler g \$ "FM-89"	1155) me be the first to say that DX will come alive
in '85 cause DX was a bore in '84. (zzzzz-	-saul) That was corny but leave it in. All we can do
	s football club tells its fan after every season:
	't be that bad!!! It can'tnot two years in a row.
	•
BOBERT GRANT - 5775 Bishop - Detroit MI 48	8224 (Rob: I sent rowr info to Mailbox - saul)
HOVEMBER 28 1983 GW-Tr	0802 WCVJ 90.9 OH Jefferson g
330 CIAM 91.5 ON Windsor r FF ID new-to-	
1330 <u>CJAM</u> 91.5 ON Windsor r FF ID new-to- 1400 <u>WPHS</u> 89.1 MI Warren r ID (ex-91.5, r	made JULY 31 1984 Tr
way for CJAM)	Olo6 WNED 94.5 NY Buffalo c s-off
JUNE 12 1984 Tr	Ol17 WHIO 99.1 OH Dayton b ID
0800 WHSH 99.7 PA Pittsburgh	Also heard on many nights: CBEE 95.1 ON Chatham
0802 WWSW 94.5 PA Pittsburgh "3WS" lcl n	x xlting WIOG 106.3 MI Saginaw.
Kd: I'd assume CBEE therefore relays CBE	G 106.3 Sarnia ON when CBC on-air, that 95.1 leaves
	situations like this do occur (was it YOU who noti-
	nowingly hit it - and can create mysteries for a DXer.
Nice talking with you at Jamestown, Rob.	_ean1)
ATRICK DURKIN jr - 2401 Wimbledon Drive -	- WOODBURY MN 55125 CDT Time Log totals 329
GE Superadio w/whip or Pioneer SX-850 w/	Winegard CS-7080 VHF-UHF antenna pointed NW at 25')
00UST 1984 21 Tr	O045 KIIK 103.7 IA Davenport simulcasting
	235 "Friday Night Videos" with WOC-TV-6" 260
*2235 KKRQ 100.7 IA Iowa City "Hit-101" .2240 KXJX 103.3 IA Pella	235 26 Tr
2248 WRDN 95.9 WI Durand (hard to get)	60 0030 WMBN 96.3 MI Petoskey 395
2300 KWGG 104.9 IA Hampton	145 28 Tr
2302 KCPI 95.3 MN Albert Lea "Magic 95"	80 0010 KBHP 101.1 MN Bemidji 205
2303 KMGO 102.5 IA Des Moines	285 0021 KKBJ 103.7 MN Bemidji 205
2308 KRNQ 98.7 IA Centerville	225 0052 KQRN 107.3 SD Mitchell s-off 255
22 Tr	0054 WUFM 106.9 MI Ironwood 185
0114 KIIK 103.7 IA Davenport	260 0101 KCRB 88.5 MN Bemidji o/KBEM 205
0120 WHBF 98.9 IL Rock Island	265 0120 KPAT 97.3 SD Sioux Falls 200
0130 WXLP 96.9 IL Moline	265 1736 KPRM 97.5 MN Park Rapids o/KNXR 175
24 Tr	1740 KQWB 98.7 MN Moorhead 225
2317 KNEN 94.7 NE Norfolk	290 1915 WNCB 89.1 MN Duluth low 490 w power 145
2330 WSTO 96.1 KY Owensboro longest Tr he	
25 Tr	2206 KCHA 95.9 IA Charles City 120
0030 <u>KEFM</u> 96.1 NE Omaha	285 COMMENTS. Unamounted In DY has been abundant
0036 WZUU 95.7 WI Milwukee	280 COMMENTS: Unexpectadly, DX has been abundant
	(AUG 29), cx are still up. Since putting in the
inegard ant. my TV DY has greatly impro-	ved, but it hasn't helped with FM much. I can't rotate
with ant either so it hamely fits in het	ween the beams in my attic. I do most FM DX w/ the

the ant. either, as it barely fits in between the beams in my attic. I do most FM DX w/ the

ZENT cont'd

JULY 1984

Superadio. For a \$49 portable, it really performs! Re my DX: WRDN 95.9 WI Durand, tho only 60 miles from here, is rare, as WLKX MN Forest Lk & KDHL MN Faribault (now back on air) are even closer & s-off later than WRDN. On AUG 24, WTSO catch set a new FM Tr record for me from MN...565 miles...and was only the 2nd time I've seen ducting here (1st, AUG '81 w/KKRD 107.3 KS Wichita at 550 mi). Called WTSO after ph# ment., and DJ really surprised! Unfortunately, it started to rain & faded out before he mentioned my reception on-air. KIIK 103.7 IA simulcasted "Friday Night Videos" w/NBC-TV in "Quad Cities" area (WOC ch.6). WLOL 99.5 here does same w/ WTCN ch.11 but time slightly different here...12:05 not 11:30; TV-FM DXers note: Many of KTCA TV ch 2 are simulcast on FM KBEM 88.5, both Minneapolis-StPaul MN Es targets. Hope the current DX continues well into Sept. 73 & good DX, Pat. (Ed: Actually, I hope it IMPROVES-saul)

MATTI NIIT - 3527 West 22nd Avenue - VANCOUVER BC - V6S 1J4 PDT Times Ham calls VE7FFH

JUNE 1984		JULY 1984	
5 Es (TX stns DOUBLE HOP)		9 Es	
1155 KRDO 95.1 CO Co.Springs		2217 KBRQ 105.1 CO Denver	1107
1157 KUHF 88.7 TX Houston j ID	1987	2220 KMJI 100.3 CO Denver	1107
1203 KTSUt 90.9 TX Houston	1987	16 Es	
1208 KPFT 90.1 TX Houston	1987	2132 KCFR 90.1 CO Denver j	1107
1220 KTAK 93.9 WY Riverton "K-94"	824		
1312 KBLH 92.1 CO LaJunta k	1242	2255 CITI 92.1 MB Winnipeg r	1160
1508 KVRH 92.1 CO Salida	1125	2302 CBC unIDs 90.5//90.9 (prob. Fort Frances	ON &
8 Es		FlinFlon MB but I'd have to check more care	
1042 KDCR 88.5 IA Sioux Centre	1350	2305 CBWF 90.9 MB Flin Flon "Serving N'ern N	ιΒ"
1050 KKEZ 94.5 IA FtDodge r	1460		out)
1103 KQAA 94.9 SD Aberdeen "KQ-95"		2339 CBKF3 93.5 SA Zenon Park FF	
1132 KSJRt 90.1 MN Collegeville c		2348 KIZZ 93.7 ND Minot jingle	9 95
1145 WYRQ 92.1 MN Little Falls		AUGUST 1984	
1200 KDSU 91.9 ND Fargo "SU-92" j		10 Tr	
1200 KCCM 91.1 MN Moorhead c	1225	1257 KMHD 89.1 OR Gresham	257
9_GW-Tr		11 Tr	153
1845 "Underground-FM-90" 89.7v;		0402 KAOS 89.3 WA Olympia s (Ed: are those	2118
local PIRATE from South Burnaby BC		for real or has Matti been watching too much	ı TV)
(Ed: I assume the "v" means varying		11 Ms	
frequency. Last week I logged my		1159 KCSM 91.1 CA San Mateo	802
first FM pirate (see my rep't) &		12 Ms	
varying freq does happen at times)		0521 KLRZ 94.9 UT Provo "Color-95"	769
(Ed again: format, address on air?)		0701 CKUA-13 91.3 AB Drumheller	484
12 Es		1227 XETRA 91.1 MX Tijuana "91-X"	1195
1137 KPNY 92.1 NE Alliance "K-Pony"		12 Es	
1143 KSDZ 95.5 NE Gordon k	1093	1856 KILI 90.1 SD Porcupine k	
13 Es		EQUIPMENT: JVC-RS7 revr; RadioShack FM Yagi	w/6 el.
0943 CITI 92.1 MB Winnipeg r	1160	11	
0954 CHIQ 94.3 MB Winnipeg r "Q-94"	1160	COMMENTS: I've been DXing FM for awhile now,	
		this is my first report to the VUD. (Welcome	to

Northern, Matti-saul). The highlight of this DX season has got to be the 2Es - my first ever on JUNE 5. The signals were strong & hardly distinguishable from the single-hop stns also in. And the whole event is CN TAPE! Otherwise, Es disappointing this season, w/ few long-duration openings, and a notable lack of anything from the South. The Perseids MS had fewer bursts than last year, but I did, however, log a much needed province - Alberta - so I won't complain. Has anyone checked out the Magnum 105FM Antenna booster? I saw a review in the Sept/84 Stereo Review; it's a highly selective, low-noise FM Preamp with variable gain (or attenuation) looks very interesting. 73 for now, Matti Niit, VE7FFH

BOB ZENT - 1835 Fruit Street - HUNTINGDON IN 46750

BUB ZENT - 1835 Fruit Street - HUNTINGBON IN
AUGUST 1984
l Es/Ms
0029 CIZLt 98.9 SA Regina "Zed-99"
(Ed: Zed is Zee in Canadian dialect,
so you may be right-saul) KZVS:745
0407 KZVS 98.9 OK Oklahoma City "99FM, KZVS"
6 Es (MUF at least 103.5, lots unIDs)
1741 CIOSt 98.5 NF Stephenville
11 Ms/Tr
0320 KZVS 98.9 OK OKC "99 FM KZVS. No sun-
shine this weekend, just a lot of soggy
wet weather" 745
0900 WYFM 102.9 PA Sharon (ment. ShYoung-
stown in ID. 240
12 Ms
0120 KLIR 101.1 NE Columbus "and a look at
the KLIR weather stn forecast" 605
0337 WNOE 101.1 LA New Orleans "Country-101
WNOE-FM. You know that" 790/1005
0338 KOSI 101.1 CO Denver "mx w/FM101KOSI"
0338 KOST TOTAL CO DELIVER WALKETOTKOST

_					
1	AUG 28 Tr				
1	2305 WSPY		IL	Plano	155
-	2315 WKKD	95.9	IL	Aurora	150
	2318 WFNY	92.1	WΙ	Racine	16
1	2321 WCAZ	92.1	IL	Carthage PSA	29
1	2353 WTXH	94.3	IL	Chillicothe lclad	210
1	2359 WJKI	94.3	IL	Elkin (IDs w/Schaumburg)	IL)15
ı	29 Tr	•			
. 1		94.3	ΙL	Beardstown s-off	28
	2206 WKAI	100.1	IL	Macomb (full ID at 2228)	27
.	2208 WQCY	90.5	IL	Quincy	31
	2214 WHOV	95.9	ΊL	Clinton	10
,	2231 KCFN	97.1	MO	Tlorissant stn promo	30
1	SEPTEMBER	1984			
i	1 Tr				
5	0200 WCX	89.5	ОН	Dayton ID, (moved from 8	
	1				10
5	COMMENTS	Some	ni	ce Tropo ducting on Augus	t
	100			on trobe agentified on water	-

28-29 allowed me to log some rare class A sta-

50 55 95 10 00

9 01 9 17 80 70 끍

J member consensus; what thinks ye all? Write!

-tions in the 150-300 mile range. Otherwise THERE'S NOT MUCH HAPPENING HERE. Hope things start to pick up a bit this fall. Hope everyone had a great summer. 73's, Bob. BOB SMOLAREX - RD # 1 Box 63 - Whitehouse Station NJ 08889 Carver TX-11 tuner bought Aug 15.

COMMENTS: Monday morning of AUGUST 27 was my first taste of a good New England opening, and it cont'd into Tuesday morning. I have been working nights in Al'CUST from 3-11 p.m., allowing me to stay up late and DX. I attended the convention at Jamestown and I want to thank Mike for all the food, station tours, and hospitality.

HARRY J. HAYES - 9 Henry Street - Wilkes Barre PA 18702 EDT

Finally some Tropo occurred last night; not much else noted all month, however. I'm expecting more Tr tonite, but it will have to wait, as I want to get this report in by deadline. (Ed: what deadline? Your report arrived over a week before I mailed this column. The only purpose for deadlines is for them to be missed. I've removed deadlines so everyone gets their reports in on time. Just keep in mind I mail towards the end of month. Staggered reports make for easier typing than getting 2346 reports in one day-saul). All credit should go to Mike Lapinski and wife for an excellent convention. Anyone who complains about anything couldn't have been there. Total now an even 700 FMs heard. (Ed: I may be pulling the pin out of a WTFDA grenade, but I assume that's 700 from Wilkes Barre, or one QTH or within the prescribed area?-saul) All DX here is from TROPO on AUGUST 27 1984:

```
0011 WOUR 96.9 NY Utica s-off
                                       150
                                            Olli CKQT 94.9 ON Oshawa weak w/CKAR-CKQT simul.
0038 WYYY 94.5 NY Syracuse "Y-94" softr 135
                                           0203 WLVY 94.3 NY Elmira fair 75mi.
0047 CFMK 96.3 ON Kingston exc. k "K 96" 220
                                           0205 CKBY 105.3 ON Ottawa mostly weak
and many "Summer-84" ads.
                                            0221 WYRK 106.5 NY Buffalo k WHLM off
0052 WCMF 96.5 NY Rochester good w/pr 180
```

ERNIE COOPER - 5 Anthony St. - Provincetown MA 02657

0 m	-rue peneiir wonia
2 Tr	thought about it, h
0113 WLIR 92.7 NY Garden City o/WOBM-NJ r	such a good idea fo
2 MS	11 Tr(cont'd)
0114 WCVZ 92.7 OH Zanesville calls only	1615 WDAQ CT Danbur
0249 WLFJt 89.3 SC "WLF"& ph#"6696"	" WNOU CT Willim
3 Tr	WKJY NY Hempst
0127 WAWZ 99.1 NJ Zarephath g o/WPLR-CT	16 Tr
0212 WTSA 96.7 VT Brattleboro r	0145 WVIP 106.3 NY
0952 WCFR 93.5 VT Springfield many lcl items	0146 WCTY 97.7 CT
1210 WWON 106.3 RI Woonsocket ad fr WGN-TV	"good country"
(the Cable version)	17 Tr
<u>4 Tr</u>	0335 1/000 0/ 5 100
0129 WINQ 97.7 MA Winchendon u/WCAV, LarryKing	18 Tr
0135 CKMF 94.3 PQ Montreal r FF	0057 WLIR 92.7 NY
<u>5 Tr</u>	0234 WFDU 89.1 NJ
0152 WRBB 104.9 MA Boston r (18.5 w. ERP)	19 Tr
0159 WIHS 104.9 CT Middletown g	0218 WSLT 106.3 NJ
0941 WPNH 100.1 NH 1cl nx, NBCnx at 1000	22 Tr
9 Tr	0211 WQBK 103.9 NY
0123 WORQ 102.3 CT Stonington ex-WFAN	0247 WWOM 100.9 NY
9 Es	solid gold Sat. ni
1729 unID 89.5 Talk re Canada elections on	WWON, but look at
"As It Happens", "coast-to-coast" on CBC	0307 WYUT 92.7 NY
radio. (Ed: I believe NPR in U.S. also	1007 WYBC 94.3 CT
carries this; if Canada on Es (you sure?),	26 Tr
CBSM-ON & 2 NF stns if far enuf from you-s.)	0153 WAYU 93.9 ME
11 Tr	0219 CITEL 102.7 PQ
1130 WSNI 104.5 PA 1cl ads (PhillyErnie,	FF ancg "See-Tay"
. Ya fergot to include municipal data; I have	
considered omitting it like in TV DX columns	27 Tr 1702 WTYD 100.9 CT
but I wouldn't do so without an awful lot of	1 102 1113 1000, 01

1-the benefit would be the saving of space. I've tht about it, but am not convinced it is a good idea for FM (more stns than TV)-saul) (contid) WDAQ CT Danbury (Ed...& I WNOU CT Willimantic r "New-98" fergot freq WKJY NY Hempstead b "Joy-FM" heh!all 98.3) WVIP 106.3 NY MtKisco r lcl ads & psas WCTY 97.7 CT Norwich k said gives area country" WCME 96.7 ME Boothbay b WLIR 92.7 NY Carden City r WFDU 89.1 NJ Teaneck r 850w Paul Mount Land WSLT 106.3 NJ Ocean City m (also 22nd 0143) WQBK 103.9 NY Renselaer r WWOM 100.9 NY Albany r plugged "5 hrs of id gold Sat. night". (Ed: FM ATLAS lists as . but look at 106.3 RI! I guess WWOM O.K.?) WYUT 92.7 NY Herkimer MYL WYBC 94.3 CT New Haven j WAYU 93.9 ME Lewiston r CITE 102.7 PQ Sherbrooke rm EF&FF songs,

> WTYD 100.9 CT NewLondon 1cl nx, then b **37** (more)

300

200

0310 WHTG 106.3 NJ Eatontown m

ladelphia PA heard here.

Rock R." IDs Horrible mx

pettable mx"

SEPTEMBER 1984

3 Tr /WBOS OF F/

28 Tr (Happy Birthday Ernie!)

0320 WSHU 91.1 CT Fairfield c

22 Tr

27 Tr

30 Tr

5 Tr

0237 WVIP 106.3 NY MtKisco bbscores lcl ads

0255 WKGL 92.7 NY Middletown "92-Rock-7"

0242 WOEQ 103.1 PA Freeland r 1st non-Phi-

23 Tr 0214 CIOO 100.1 NS Halifax exc. r asked for

ph.calls; I obliged & got answer machine!!

0150 WHTZ 100.3 NJ Newark "Z-100" "Hit R." &

1126 WRTN 93.5 NY New Rochelle "Return R." b

0145 WRDR 104.9 NJ Egg Hbr City "All Nite

Flight" show sponsored by LA Beer w"unfor-

0223 WDVR 98.3 NJ Ocean City w/WKJYNY, WNOU CT

1951 WNYE 91.5 NY NYC r "You are tuned to the

hottest spot on your FM dial, 91.5 FM"

31 Tr 0227 CITE 102.7 PQ Sherbrooke FF r

0202 WEZF 92.9 VT Burlington exc.

(2 MI my longest TROPO ever)

0259 WUGN 99.7 MI Midland g in fr 7 mins

0246 WLLZ 98.7 MI Detroit "Wheels" r

SOME ADDITIONAL LOCGINGS BY ERNIE:

4 Tr 0138 WCVR 102.3 VT Randolph k

0111 WYUT 92.7 NY Herkimer MYL

JULY 1984 cont'd 30 Tr 1002 WJLK 94.3 NJ Asbury Park r lclnx till 1831 31 Tr (w/WPJB-RI off for few minutes) 0219 WRDR 104.9 NJ Egg Harbor City pop oldies 0230 WRFM 105.1 NY New York City bm 0257 WEBE 107.9 CT Westport oldies AUGUST 1984

7 Tr 1029 WMWV 93.5 NH Conway //WBNC-AM-1050 w/m

0207 WKVT 92.7 VT Brattleboro //AM-1490 CBSnx and s-off afterwards 0219 WLYQ 95.9 CT Norwalk "The new Q96-FM" 1748 WPNH 100.1 NH Plymouth Boston bb plug & ads

9 Tr 1957 WSKG 89.3 NY Binghamton c u/WAMH-MA

10 Tr 0219 CIOO 100.1 NS Halifax r "See-100" 0242 WKGL 92.7 NY Middletown w/4-city ID as M'n, Newburgh, Beacon, & Foughkeepsie. 1909 WINH 98.3 NH Laconia r ads

10 Es (SKIP!) 1103 WPIO 89.3 FL Titusville g talk re graveside service (they b'cast 'em LIVE!!!?-saul)

11 Tr 0152 WPYX 106.1 NY (where?-saul) in briefly 0157 WGNY 103.1 NY Newburgh-Beacon r(calls changed fm WFMN 6 days ago on 5th per QSL) 12 Tr

0247 CIGB 102.3 PQ Trois Rivières m USoldies FF ancts. (try long dist. info or write using calls, FM, town, prov...-saul) 0934 WBGW 97.1 ME Bangor k 1cl nx ads 13 Tr

0150 WDST 100.1 NY (Woodstock?) r T-Shirt came w/QSL (FM ATTAS says 102.3-saul) 0230 WDAQ 98.3 CT Danbury w/WNOU-CT

SEPT. 11 Tr 0120 WDST 100.1 NY Woodstock r 0159 WVIP 106.3 NY MtKisco 02L8 WKGL 92.7 NY Middletown

0306 WSHU 91.1 CT Fairfield w/same prgm as WRIU-90.3-RI!!! 1825 CITEL 102.7 PQ Sherbrooke m EE & FF music but ancts all in oui-oui. (Ed: Oui-oui in FF means urine; oui means yes, but the double "oui" does not. - Ernie's language teacher)

Your editor in Toronto during ANARC convention, a rare chance to DX there EDT ALL JULY 22 Tr At the Ramada Renaissance Hotel, site of convention: 1200 WDTR 90.9 MI Detroit Detroit Public Schools station, ID, QTH. 1201 WGMCt 90.1 NY Greece SS Latin music; Prob. them, I've had them at it since. 1201 WCPN 90.3 OH Cleveland Open Carrier, same as up at B.R. Cot to be them. On top of Scarborough Bluffs, these high cliffs jutting into Lake Ontario, facing South: 1904 WWSE 93.3 NY Jamestown ad QTH

1815 WGMC 90.1 NY Greece ID QTH 1907 WZPR 100.3 PA Meadville ID k 1848 WHOT 101.1 OH Youngstown "HotFM 101" 1912 WAMO 105.9 PA Pittsburgh sj PSA QTH 1859 WDUQ 90.5 PA Pittsburgh mx from India DX in car at Bluffs with Mike Reid and ID and QTH so it's not Bombay on 90.5! Doug Lee (not WTFDA member - yet!) 1900 WOED 89.3 PA Pittsburgh live c mx ID

1901 WKSU 89.7 OH Kent ID TC "A simple gift"prgm THIS SITE IS INCREDIBLE, WILL TRY SOON AGAIN! Your editor finishes up in BURNT RIVER, 80 air mi, NE of Toronto EDT Sony TFM-1102 30'tower

AUGUST 1984 0710 WJPD 92.3 MI Ishpeming QTH 16 Tr (DUCTING, FOLKS)

2038 CBON-104.9 ON Gogama FF CBC mono 2041 WNMU 90.1 MI Marquette ment 102.7, ID, c NPR

2047 KZIO 102.5 WI Superior r "Hit Radio KZIO 2106 WCEN 94.5 MI MtPleasant QTH wx

2107 WLHT 95.7 MI Marqutte g QTH 2109 CBLJ 88.3 ON Wawa //105.9, 89.5... 2124 WJPD 92.3 MI Ishpeming ID QTH k 2126 CBON- 88.1 ON Sault Ste. Marie CBC FF mono 2140 WGLQ 97.1 MI Escanaba r "The Q" & "97-GLO" & "FM-97" QTH 2300 WOJB 88.9 WI Hayward j NPR IDs ALSO SAID TO WATCH OUT FOR LOW*FLYING ANTENNAS & TO DEST-ROY YOUR TV BEFORE IT DESTROYS YOU! 2355 CBON- 89.3 ON THUNDER BAY //88.1 17 Tr (DUCTING CONTINUES) 0000 CJSD 94.3 ON THUNDER DAY - "Broadcast News"

report (Canada agency) and "94-FM"

17 Tr(ducting ends) 26 Tr 6029 unID 88.3 FF I doubt stn in PQ as I don't think it on air yet. 0036 WYKX 104.7 MI Escanaba "KX-104" k "Kicks-Country" weather 0639 WHAD 90.7 WI Delafield calls, WI Pub Radio, Morning Edition prem (NPR) QTH 1812 CBF 100.7 PQ Montreal CBC \$ FF 1831 WPEL 96.5 PA Montrose ID OTH 22 Tr

2100 WRDL 88.9 OH Ashland ID QTH address r and mentioned a student TV stn there on CHANNEL 2 !!!!! (Cable?)

CHERNOS cont'd

now has some tone, so I guess I'll count it. As I type, Ihave already heard they began prome earlier in Sept, so this all makes sense, plus direction of rotor. ALSO: 27 AUG AU: 1900 WBLV 90.3 MI Twin Lk ID QTH; 1901 WVTF 89.1 VA Roanoke ID WX.

Chernos at school in OTTAWA ON, (all mail still to Toronto for column) EDT Sony CF-570

a new receiver to my collection. This one includes a tape-deck, so now I can tape my DX; it men't got a jack for rotor/antenna so not sure what will do; I may not be back at Burnt River anyway, opting for city-life next summer. The rowr strikes me as good; as good as when my TFM had had it's rabbitears intact (I left the radio on the floor one day and foolishly (not soberly) discred my feet over it and snapped the ears off, partly.) Enuf. my OTTAWA FM DX: (& NEARHY):

IST 1984 the still in NY STATE on way to Ott. from WTFDA conv. I had tons of CBCs FF on FM with high MUF. I assand Tr & ignored it; the only positive is the following and it is close to were I was, to boot:

30 approx CBVG 88.5 PQ Gaspé CBC EE next is from just out of Ottawa, nr motville ON:

D approx KUMR 88.5 MO Rolla w/QTH UST 1984 in OTTAWA:

30 WJGT 89.5 NY Canton exc..new stn

WAER 88.3 NY Syracuse "FM-88" j blues TEMBER 1984

WGFB 99.9 NY Plattsburgh r "B-100"

2300 CHIK 98.9 PQ Quebec City bm FF "Sheek" QTH 23 Tr 0030 WEZF 92.9 VT Burlington ID QTH wx mb PSAs 00 WPS 107.9 VT Burlington NPR c "VT Pub.R 0040 WFB 99.9 NY Plattsburgh "B-100" CBS nx wxr 16 CBM 93.5 PQ Montreal //103.3 CBC \$ EE 0058 unID 107.9 Strong carrier in \$ on & off??????

22 Tr

solved an unID at B.R. of June 12. I've now had the stn I suspected to be VI on 97.1. spoke to the ancr and told him about the DJ I heard with a slow paced voice, and he said es, that's Bob for sure". He also said the RKO nx and r format and local news fit their m. FM ATLAS does not list 'em as RKO. VT is a new state for me. The stn's WRUT Rutland.

pe late fall Tropo is good. 73s and send reports to TORONTO - Saul.

C: THE MASTHEAD IS NOT PERMANENT, I want to see how some sizes look, before I design a one. All WTFDAers invited to send masthead designs as well. No prizes.

FM 92 CFTI

TELEMEDIA ONTARIO INC., CFTI FM 92 RADIO 155 PINE ST SOUTH, BOX 1046, TIMMINS, ONT. P4N 7H8



1020 CBON- 90.7 ON Kapuskasing //96.5 CBC mono FF 1050 CHIM1 103.5 PQ Val D'Or doing CBC FF 1055 CBLJ 88.3 ON Wawa CBC mono EE //105.9 2205 WDLM 89.3 IL East Moline g wx fr "Quad Cit-

Nov '84 NORTHERN FM DX (5)

ies" 2240 WEMU 89.1 MI Ypsilanti address QTH ID 2300 WGLE 90.7 OH Lima ID dual w/ WGTE Toledo

2301 WVPE 88.1 IN Elkhart ID j 27 Tr

1004 CITE 107.3 PQ Montreal b FF nx

deux virgule(comma)sept" bm FF

0048 WNYS 104.1 NY Buffalo ID r

0105 CFMX 103.1 ON Cobourg ID c

OO20 WDCX 99.5 NY Buffalo "FM99" g ID

2215 WSIU 96.7 NY Canton //89.5 WJGT

2233 CIME 99.5 PO StAdele "Seem-MF" b FF

12 Tr A FIRST FOR ME!

1004 unID " tone, heard to this day I'm typ'g

1830 CHZM 100.0 ON Ottawa rp 00 no IDs off 1857

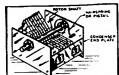
(This turns out to be"Ottawa's new alternative"

a PIRATE radio station, here in the most conser-

vative of places. More in Mailbox, shortly. In\$

0012 CITEL 1027 PQ Sherbrooke "Cité-ain, cent-

1700 WCPN 90.3 OH Cleveland Has had OC for awhile.



TECHNICAL TOPICS

PART I: Everything you wanted to know about selectivity!

Let's say the atmosphere is sailing pleasantly over your ITH and the troposphere is directing many radio signals to your antenna. Somenow, you find out about this and sit down to tune in some DX. To your happiness, you find some new and distant proadcasters on the dial. There is a local FM station, though, #2RM 93.1 with a tower only ten miles away. You contentedly log stations on 92.3 and 93.9, out know that there is also a oroadcaster on 92.9 that you cannot tune in oecgase of WRM. And therein lies the story of selectivity, that quality of a radio/IV receiver which seems to only get the attention it deserves at the wrong times.

First of all, I wish to define "sensitivity" for once and for all so that it will not have to be brought up again in this discussion. Sensitivity is the "signal-pulling" capacility of a receiver. More formally, it is the amount of signal (a measurable quantity in pv) required at the antenna terminals to produce an output into the audio stage at a defined level above noise.

The agility or discrimination (or, could we say, dexterity?) of a tuner is selectivitythe measured degree to which a tuner can be set to one frequency and reject all others. If the DY'er above was unable to tune to 92.9 MHz simply recause NORM was transmitting on 33.1. one could conclude that the DX'er's rx had less than desirable selectivity in that

Imagine now a tuned circuit made up of some combination of resistors, capacitors, and industors, and further imagine that said circuit represents your tuner (which it does.) You know that if an 40 voltage is

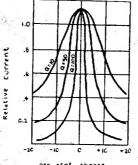
surglied to the direction as shown, part of it will be delivered to the voltmeter apporal g to the diagram below. X is the reactance, or the "imaginary" part of the opposition to current flow. (The real part is resistance.) Reactance charts have been worked out and can be found in many books. Working in the frequency domain (to avoid math), $X_i = j\omega L$ and X =1/jeC, with e=2mf where f is frequency in Hertz. These expressions have been derived over and over again by thousands of electrical engineering students after learning their calculus and consuming enough pizza.

The point of all this is that the amount of current a tuned circuit will pass depends on the frequency of the 40 source. For any of these circuits, one frequency will be found such that the reactance of the comparitor and the reactance of the inductor will cancel $(X_c = X_c)$ each other out and the apparent presence of these parts in the circuit will disappear. Pais results in maximum current flow, and the circuit is said to be at resonance. That frequency is the resonant frequency, and is given by $f=1/2\pi\sqrt{LC}$.

> AC SCULLE $V_{OLIT} = I \left[\frac{1}{R} + \frac{1}{X_L} + \frac{1}{X_C} \right]^{-1}$



If one adjusts the frequency of the signal generator to either side of the resonant frequency, and takes measurements in the process, and then plots them, one produces a graph that looks remarkably sim-

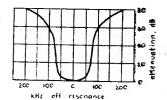


per cent change

ilar to the one here to the left. The degree to waich the curve is "pointy" is determined by the ratio of reactance to resistance, or "Q" (figure of merit). Q is the ratio of reactance X to resistance R. Q=X/R If the curve decreases slowly from its peak, it is said to be broad, but if it decreases rapidly. it is snarp. The terms broad (or wide) and sharp (or narrow), consequentally, describe the action of the tuned circuit-selectivity!

Imagine, now, the 40 voltage source replaced by an antenna, and now we have arrived at a radio tuner! Of course, one throws in a detector and amplifies the result, as well. Inc end result is something like a tunable notem filter, that is, a circuit which passes, detects, and amplifies only the frequency desired, from resonant frequency and excludes all else. Inus, the graph below:

At this point, it is necessary to introduce bandwidth. The bandwidth is, literally, the width of the response curve (at right) at e certain degree of off-resonance attenuation. Remember that every proadcast channel is actually the center of a pand whose width depends on the nature of the information transmitted. (An FM channel, for example, is allotted 75 kHz on eitner side of center, thus permitting all stereo information up to 15kHz to be aired.) One can specify selectivity either in terms of bandwidth or in terms of attenuation. In the



former case, the graph shows a "60dB bandwidth" of 100kHz. Communications and SN receivers are often spec'd this way. However, PV and TW broadcasters have fixed space allocations in the frequency spectrum. Phus, we can agree that all FM receivers should be rated on their ability to tune a signal 100kHz wide and reject all others outside this range. The graph would, therefore, indicate a selectivity of 60i3. Hi-Fi tuners are usually rated by alternate changel selectivity, which is the degree of attenuation at a 400kHz bandwidth. In the graph above, the 400kHz selectivity is 80 dB.

Allow me to put this all into perspective. Say radio station World is 1 mile away and emits a signal with enough power to beliver 10,000 V to the antenna terminals of your rx. WQRM is at 93.1 MHz. Another station, NQRJ, is at 92.9, and has the same power as NQRM, out is 100 miles away. Using the inverse square wave law (or FIC curves) we find that WQRJ delivers 6 V of signal to your antenna terminals. If your tuner is tuned to 92.9MHz, the ratio of the off-resonance signal voltage (WQRM) to the at-resonance signal voltage (WQRJ) is 10,000/6. or 1,667. Taking the log, and multiplying by 20, we get 64dB! Inus, tuners really do deal with such nigh adjacent-channel signal ratios.

One last point: it is not enough to simply design a tuner to have as high a selectivity as possible. The ideal, perfect tuner would perform as (1) in the graph at right. This is, of course, impossible! But, we could design a tuner with such nigh selectivity (2) that it would never suffer from adjacent channel interference, but would exclude (or attenuate) some of the desired information. Mearly, a compromise is in order, and next time we will explore the ecohomics of such tradeoffs (DY'er versus aud/vid enthusiast), the mechanics of tuner design, and now to improve receiver selectivity. Also, lots of actual specs!

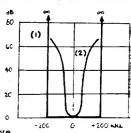


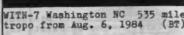
PHOTO-NEWS David J. Nieman 12284 Nice Road Akron, NY 14001

November 1984

POLLUTION COUNT DOWNTOWN N. BIRMINGHAM 205 FAIRFIELD 148 LEEDS 166

WBMG-42 Birmingham AL 645 mile tropo from Sept. 11, 1980 (CP)



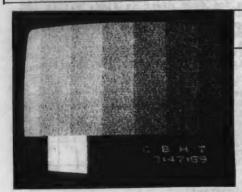




WCSC-5 Charlestown SC 304 mile tropo from May 8, 1984



KOTI-2 Klamath Palls OR 1170 mi. E-skip from Oct. 14, 1983



CBHT 1-12 Liverpool NS 360 mile tropo from Sep. 10, 1984 ERP .970 KW

This months photos are from:

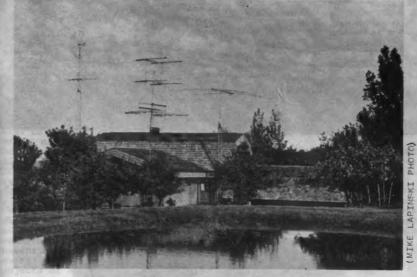
Paul Gaines (CP) Detroit MI Bob Timmerman (BT) Orlando PL John Combs (JC) Orlando PL Jim Pizzi (JP) Lovington NM Roy Barstow (RB) Teaticket MA

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ren ichicae to arci cala ignification The

WORLDWIDE TV-FM DX ASSOCIATION

1984 CONVENTION



REPORT

For the second year in a row, the Worldwide TV-FM DX Association's meeting took place in Western New York State's mountainous Chautauqua region, one of the most interesting areas for VHF/UHF DXing in the eastern U.S. Long considered to be the best part of New York for catching those long-haul tropo openings into the Midwest and mid-South, Chautauqua County managed to live up to it's reputation!

More than 30 avid DX enthusiasts showed up at the event, held at Mike Lapinski's sprawling estate, on a beautiful piece of hilltop property just outside of Jamestown. Mike may have what can be described as the ultimate DXing location for any TV/FM DX enthusiast in his part of the world. The DX antenna systems in operation were part of the most elaborate antenna set-up ever demonstrated for attendees of a WTFDA convention. What could be seen and heard there under "normal" conditions were generally considered to be "good DX" to those of us unfortunate souls who live in the flatlands!

Pollowing the early arrivals of WTFDAers on Thursday evening and Friday morning (August 3rd), the group met during the afternoon for the trip to Erie, PA, just across the state line, for a tour of the facilities of WJET-24, an ABC affiliate. Erie member Frank Wheeler, unable to go to Jamestown due to a busy schedule that weekend, was only able to meet with the group while the tour was conducted, so you might say he was at least with us in spirit when the gang returned to Jamestown (maybe next year Frank?).

Priday evening was the traditional gabfest, and featured a cookout. As more DXers continued to arrive, tropo DX conditions were noted to be slowly building up. During the evening, a ground fog (not uncommon in those hills) settled in, as did signs of many UHF TV stations from a 200 12 to 300 mile radius.

ABAIN HOLIN



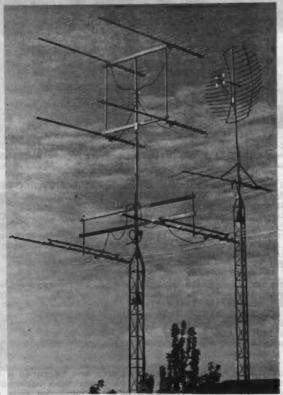


AROVE: (LEFT & RIGHT) Some of the group during a gab session.

RELOW: Part of Mike Lapinski's super DX antenna set-up. Not shown is a lower mounted 7 foot Channel Master UHF dish with EU4-S preamp, and another site!

(DAVE NIEMAN PHOTOS)

OPPOSITE PAGE:
(LOWER LEFT) The "parking lot";
the van in the middle is Bob
Seybold's "DXmobile," complete
with battery powered TV and 4-bay.
(LOWER RIGHT) That's club supply
manager Mike Ehrhardt watching
some video through a Teknika.



(MIKE LAPINSKI PHOTO

Saturday, August 4th, was the busiest day for the attendees. Tours were conducted of Jamestown's Group-W Cable TV headend site, a crowded and busy little building that reminded us of the DX shacks of a few of the more famous TV DX enthusiasts. The studio and transmitter facilities of the area's two major local radio stations, WJTN-1240 and WWSE 93.3 were also on the tour, and the great people at WJTN/WWSE were especially friendly. The WWSE tower was a beauty, also housing the antenna of the local ETV translator, Jamestown's W26AA. Many members got their first close-up look at a 1 kw UHF TV translator set up. At the time, the transmitter was mysteriously off the air. The fact that a bunch of avid DXers were in town and actively checking for DX right nearby was only a coincidence. Or was it...?

The group got together late in the afternoon back at the Lapinski's, and a complete catered buffet meal was served under a large tent outside. There was a lot of food—and it was fantastic. We'd have to say that Mike really outdid most all previous convention hosts. The refreshments were first rate and there were sure lots of them!

The after-dinner talks that followed were most interesting. FCC PM NEWS editor Bruce Elving gave a talk on his just-completed 9th edition FM ATLAS, which was really "hot off the press"--he stopped along the way at his Michigan printer to pick up a load of the books. Needless to say, most attendees couldn't wait to get a look at the new edition, as delivered by the author himself!

Bruce's talk, which centered on the changing formats of FM stations and how he was handling them in his book, was followed by a most interesting technical gab session conducted by a favorite speaker at WTFDA conventions, broadcast engineering expert Joe Gragg. Joe touched on several topics of interest, and shed some interesting light on the subjects of RF noise figures and the auroral DX phenomenon. His blackboard "chalk talk" with an electric hair dryer (you read it right—an electric hair dryer) was hilarious, and not to be forgotten. We can't quite describe it—you had to be there. Rumor has it that Joe may patent his "magic blackboard" for use in Central American areas with high humidity (it won't replace educational TV though!).

Through the evening, the DXers had a chance to view some DX videotapes; some of the most interesting were brought along by Patrick Durkin and Glenn Jacobs. Tom Yingling's home computer was on view for those interested in seeing how useful the microprocessor is becoming to the DXer. The consumer electronics industry's best all-channel TV tuner-converter, the new Teknika 6510, was on display and a working part of our host's DX system, and it really is a gem, performing exceptionally well on the weaker UHF translator signals that surround the Chautauqua area.

(DAVE NIEMAN PHOTOS)



To help demonstrate what kind of a difference height can make for UHF TV DXing, Mike even had another DX system over 700 feet away at the entrance to his driveway—and this system was complete with a 7' parabolic UHF dish and Winegard's super low—noise PA-4975 preamp. It was rather hard to get veteran TV DXer Bob Seybold away from this site; he kept busy identifying quite a few Midwestern UHF TV stations via tropo. Stations out as far as Chicago (over 400 miles) were noted there in the morning.

One of the biggest surprises to those attending this year's gettogether was Mike's goal of logging 140 or more TV signals from his hill during the convention. Incredibly, it didn't take very long. One DXer even gave up trying to keep count of what was being seen when it reached about 150. This was "only" with mild trope conditions! On FM, the hill was pretty much "co-channel city" with a single Channel Master Stereo Probe 9. One check of the VHF public service bands from this location showed why it has such a good reputation among VHF amateur radio operators.

Sunday morning, August 5th, consisted of the traditional WTFDA club business discussion. This year, the news from WTFDA HQ was very good. Membership has been growing quite rapidly, rebounding from the slump of the past few years. Club finances are in very good shape, and member participation has also increased dramatically. On this upbeat note, the main activities of the 1984 WTFDA Convention came to a close.

On behalf of club HQ and everyone in attendance, we'd like to extend our thanks to Mike Lapinski for a superb hosting job. He has set a standard that may be hard for future club convention hosts to match, and put on a very enjoyable program—even including a look at some live DX, something which is not always possible to fit into a DX club gathering. A big thanks is due also to Mike's wife, Fran, for putting up with over thirty visitors who share her husband's VHF/UHF DXing hobby. Both Fran and Mike are busy medical professionals, and we were amazed that they were able to find the time and patience to host our gettogether at their home.

Other individuals who helped make the club convention a success were Mr. and Mrs. Glenn Jacobs, who helped mind the site, and of course, WTFDAer Tony Pilato, who made the AM/FM station tours possible (and showed us a really effective way to identify DX on channel 26!). Thanks also go to Doug Dornbos, (who was unable to attend--but was there in spirit, anyway) for providing the hard-to-find equipment for sale to anyone interested. Also, thanks to those who we've forgotten to mention, both WTFDAers and non-WTFDAers alike, who assisted with the program.

As a result of this convention, we welcomed new members Tony Pilato, Chief Engineer of WJTN/WWSE, Jamestown, NY; Greg Snow, Fredonia, NY; and Bob Smolarek, Whitehouse Station NJ to the WTFDA membership. It's great to have you all in the ranks of the WTFDA membership!

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